STR-KS1300

SERVICE MANUAL

AEP Model
UK Model

Ver. 1.2 2008.07



- STR-KS1300 is the receiver section in HT-SF1300/SS1300.

This receiver incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories.
Dolby, Pro Logic and the double-D symbol are trademarks of Dolby Laboratories.

** Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and DTS Digital Surround are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All Rights Reserved.

This receiver incorporates High-Definition Multimedia Interface (HDMI™) technology. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

"x.v.Colour" and "x.v.Colour" logo are trademarks of Sony Corporation.

"BRAVIA" and BRAVIA are trademarks of Sony Corporation.

SPECIFICATIONS

Amplifier section

Power Output[1]

Stereo mode (rated) 108 W + 108 W (3 ohms at 1 kHz, THD 1%)

Surround mode (reference)
RMS Output
(3 ohms at 1 kHz, THD 10%)
FRONT[2]: 143 W/ch
CENTER[2]: 143 W
SUR[2]: 143 W/ch
(1.5 ohms at 80 Hz, THD 10%)
SUBWOOFER[2]: 285 W

[1] Measured under the following conditions:

Area code	Power requirements
CEL, CEK	230 V AC, 50 Hz

[2] Reference power output for front, center, surround speakers and sub woofer. Depending on the sound field settings and the source, there may be no sound output.

Inputs
- Analog: Sensitivity: 1 V/50 kohms
- Digital (Coaxial): Impedance: 75 ohms

Tone
- Gain levels: ±10 dB, 0.5 dB step

Reproduction frequency range:
28 – 20,000 Hz

FM tuner section

Tuning range 87.5 – 108.0 MHz
Antenna FM wire antenna
Antenna terminals 75 ohms, unbalanced
Intermediate frequency
10.7 MHz

AM tuner section

Tuning range
Models of area code CEL, CEK
With 9-kHz tuning scale:
531 – 1,602 kHz
Antenna Loop antenna
Intermediate frequency
450 kHz

General

Power requirements

Area code	Power requirements
CEL, CEK	230 V AC, 50/60 Hz

Power output (DIGITAL MEDIA PORT)
DC OUT: 5 V, 700 mA

Power consumption

Area code	Power consumption
CEL, CEK	165 W

Power consumption (during standby mode)
0.3 W (When "CONTROL FOR HDMI" in VIDEO menu is set to "CTRL OFF")

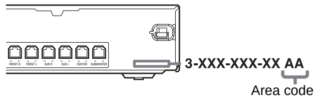
Dimensions (w/h/d) (Approx.)
430 × 66.5 × 335 mm including projecting parts and controls

Mass (Approx.) 3.6 kg

Design and specifications are subject to change without notice.

About area codes

The area code of the receiver you purchased is shown on the lower portion of the rear panel (see the illustration below).



Any differences in operation, according to the area code, are clearly indicated in the text, for example, "Models of area code AA only".

MULTI CHANNEL AV RECEIVER

9-889-016-03 **Sony Corporation**
2008G05-1 **Audio&Video Business Group**
© 2008.07 **Published by Sony Techno Create Corporation**

SONY®

TABLE OF CONTENTS

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY-RELATED COMPONET WARNING!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
SERVICING NOTES

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.
- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

NOTE OF REPLACING THE IC1131 ON THE MAIN BOARD

IC1131 on the MAIN board cannot exchange with single. When IC1131 on the MAIN board is damaged, exchange the entire mounted board.

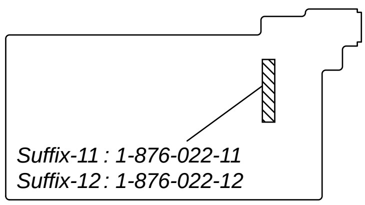
NOTE OF REPLACING THE IC3511 AND IC3513 ON THE HDMI BOARD

IC3511 and IC3513 on the HDMI board cannot exchange with single. When IC3511 and IC3513 on the HDMI board are damaged, exchange the entire mounted board.

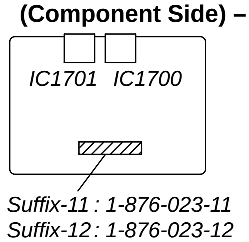
DCAC, IO AND SMPS BOARDS DISCRIMINATION

In this set, the DCAC, IO and SMPS boards have been changed in the midway of production.
Repair after distinguishing each type set to doing the repair referring to the following.

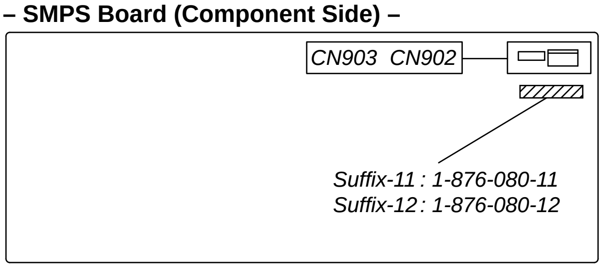
– DCAC Board (Component Side) –



– IO Board (Component Side) –



– SMPS Board (Component Side) –



SECTION 2
GENERAL

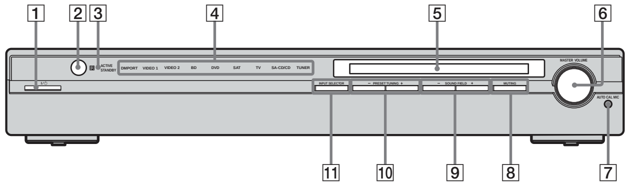
This section is extracted from instruction manual.

Getting Started

Description and location of parts

Receiver

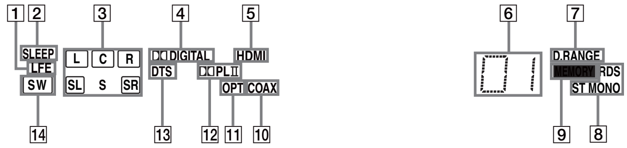
Front panel

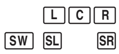


Name	Function
1 I/⏻ (on/standby)	Press to turn the receiver on or off.
2 Remote sensor	Receives signals from remote commander.
3 ACTIVE STANDBY lamp	Lights up in amber when the CONTROL FOR HDMI is set to on and the receiver is on standby mode.
4 Input lamps	The lamp of the chosen input source lights up.
5 Display	The current status of the selected component or a list of selectable items appears here.
6 MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time.
7 AUTO CAL MIC jack	Connects to the supplied optimizer microphone for the Auto Calibration function.

Name	Function
8 MUTING	Press to turn off the sound temporarily. Press MUTING again to restore the sound.
9 SOUND FIELD +/–	Press to select a sound field.
10 PRESET TUNING +/–	Press to select a preset station.
11 INPUT SELECTOR	Press to select the input source to playback.

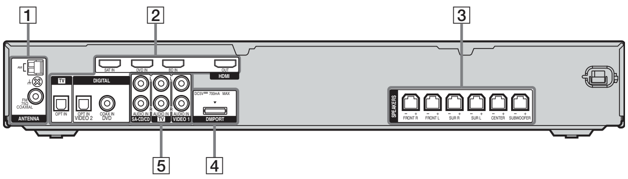
About the indicators on the display



Name	Function
1 LFE	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
2 SLEEP	Lights up when the sleep timer is activated.
3 Playback channel indicators	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound.
L	Front Left
R	Front Right
C	Center (monaural)
SL	Surround Left
SR	Surround Right
S	Surround (monaural or the surround components obtained by Pro Logic processing) **Example:** Recording format (Front/Surround): 3/2.1 Sound Field: A.F.D. AUTO 
4 ⅅ DIGITAL	Lights up when receiver is decoding Dolby Digital signals. **Note** When playing a Dolby Digital format disc, be sure that you have made digital connections and that IN MODE is set to "AUTO".
5 HDMI	Lights up when a playback component is connected to this receiver using a HDMI jack.

Name	Function
6 Preset station indicators	Lights up when using the receiver to tune in radio stations you have preset. For details on presetting radio stations, see.
7 D.RANGE	Lights up when dynamic range compression is activated.
8 Tuner indicators	Lights up when using the receiver to tune in radio stations, etc.
9 MEMORY	Lights up when a memory function, such as Preset Memory, etc., is activated.
10 COAX	Lights up when DVD input is selected and the source signal is a digital signal being input through the COAX IN jack.
11 OPT	Lights up when IN MODE is set to "AUTO" and the source signal is a digital signal being input through the OPT IN jack.
12 ⅅPL/ ⅅPLII	"ⅅ PL" lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. "ⅅ PLII" lights up when the Pro Logic II Movie/Music decoder is activated.
13 DTS	Lights up when the receiver is decoding DTS signals. **Note** When playing a DTS format disc, be sure that you have made digital connections and that IN MODE is set to "AUTO".
14 SW	Lights up when the audio signal is output from the SUBWOOFER jack.

Rear panel



1 ANTENNA section

	FM ANTENNA jack	Connects to the FM wire antenna supplied with this receiver.
	AM ANTENNA terminals	Connects to the AM loop antenna supplied with this receiver.

2 DIGITAL INPUT/OUTPUT section

	OPT IN jack	Connects to a DVD player, etc. The COAX IN jack provides a better quality of loud sound.
	COAX IN jack	
	HDMI IN/OUT jack	Connects to a DVD player, Blu-ray disc player, etc. The image is output to a TV or a projector while the sound can be output from a TV or/and speakers connected to this receiver.

3 SPEAKERS section

	Connects to the supplied speakers and subwoofer.

4 DMPORT section

	DMPORT jack	Connects to a DIGITAL MEDIA PORT adapter.

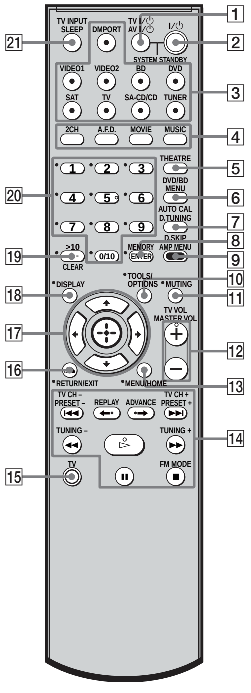
5 AUDIO INPUT section

White (L) Red (R)	AUDIO IN jack	Connects to a Super Audio CD player, CD player, etc.

Remote commander

You can use the supplied RM-AAU023 Remote Commander to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate. For details, see “Changing button assignments”.

RM-AAU023



Name		Function
1	TV I/⏻ (on/standby)	Press TV I/⏻ and TV (15) at the same time to turn the TV on or off.
	AV I/⏻ (on/standby)	Press to turn on or off the Sony audio/video components that the remote is assigned to operate. If you press I/⏻ (2) at the same time, it will turn off the receiver and other Sony components (SYSTEM STANDBY). **Note** The function of the AV I/⏻ switch changes automatically each time you press the input buttons (3).
2	I/⏻ (on/standby)	Press to turn the receiver on or off. To turn off all Sony components, press I/⏻ and AV I/⏻ (1) at the same time (SYSTEM STANDBY).
3	Input buttons	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components. You can change the button assignments following the steps in “Changing button assignments”.
4	2CH	Press to select a sound field.
	A.F.D.	
	MOVIE	
	MUSIC	
5	THEATRE	Press to enjoy optimal image suited for movies and to output the sound from the speakers connected to this receiver automatically. **Note** This button will only function if your TV is compatible with Theatre Mode. Refer to the operating instructions supplied with the TV for details.
6	DVD/BD MENU	Press to display the menu of the DVD or Blu-ray disc on the TV screen. Then, use ↑, ↓, ←, → and ⊕ (17) to perform menu operations.
	AUTO CAL	Press to activate the Auto Calibration function.
7	D.TUNING	Press to enter direct tuning mode.
	D.SKIP	Press to skip a disc when using a multi-disc changer.
8	ENTER	Press to enter the value after selecting a channel, disc or track using the numeric buttons of the TV, VCR or satellite tuner.
	MEMORY	Press to store a station.
9	AMP MENU	Press to display the menu of the receiver. Then, use ↑, ↓, ←, → and ⊕ (17) to perform menu operations.
10	TOOLS/ OPTIONS	Press to display and select the options of the DVD player or Blu-ray disc player. Press TOOLS/OPTIONS and TV (15) at the same time to display the options applicable to the Sony TV.
11	MUTING	Press to turn off the sound temporarily. Press MUTING again to restore the sound. Press MUTING and TV (15) at the same time to activate the TV’s muting function.
12	TV VOL +[a]/–	Press TV VOL +/– and TV (15) at the same time to adjust the volume level of the TV.
	MASTER VOL +[a]/–	Press to adjust the volume level of all speakers at the same time.
13	MENU/HOME	Press to display the menu of the VCR, DVD player, satellite tuner or Blu-ray disc player on the TV screen. Press MENU/HOME and TV (15) at the same time to display the TV’s menu. Then, use ↑, ↓, ←, → and ⊕ (17) to perform menu operations.
14	⏮/⏭[b]	Press to skip a track of the CD player, DVD player or Blu-ray disc player.
	REPLAY ⟵·/ ADVANCE ·⟶	Press to replay the previous scene or fast forward the current scene of the VCR, DVD player or Blu-ray disc player.
	◀◀/▶▶[b]	Press to – search tracks in the forward/reverse direction of the DVD player. – start fast forward/rewind of the VCR, CD player or Blu-ray disc player.
	▷[a][b]	Press to start playback of the VCR, CD player, DVD player, or Blu-ray disc player.
	❚❚[b]	Press to pause playback or recording of the VCR, CD player, DVD player or Blu-ray disc player. (Also starts recording with components in recording standby.)
	■[b]	Press to stop playback of the VCR, CD player, DVD player or Blu-ray disc player.
	TV CH +/–	Press TV CH +/– and TV (15) at the same time to select preset TV channels.
	PRESET +/–	Press to select – preset stations. – preset channels of the VCR or satellite tuner.
	TUNING +/–	Press to scan a station.
	FM MODE	Press to select the FM

Name		Function
15	TV	Press TV and the button with orange printing at the same time to enable TV operation.
16	RETURN/ EXIT ⤺	Press to – return to the previous menu. – exit the menu while the menu or on-screen guide of the VCR, DVD player, satellite tuner or Blu-ray disc player is displayed on the TV screen. Press RETURN/EXIT ⤺ and TV (15) at the same time to return to the previous menu or exit the TV’s menu while the menu is displayed on the TV screen.
17	⊕, ↑/↓/←/→	After pressing AMP MENU (9), DVD/BD MENU (6), or MENU/HOME (13), press ↑, ↓, ← or → to select the settings. Then, press ⊕ to enter the selection if you have pressed DVD/BD MENU or MENU/HOME previously. Press ⊕ also to enter the selection of the receiver, VCR, satellite tuner, CD player, DVD player or Blu-ray disc player.
18	DISPLAY	Press to select information displayed on the TV screen of the VCR, satellite tuner, CD player, DVD player or Blu-ray disc player. Press DISPLAY and TV (15) at the same time to display TV’s information on the TV screen.
19	-/--	Press to select the channel entry mode, either one or two digit of the VCR. Press -/-- and TV (15) at the same time to select the channel entry mode, either one or two digits of the TV.
	>10	Press to select the track numbers over 10 of the CD player.
	CLEAR	Press to clear a mistake when you press the incorrect
20	Numeric buttons (number 5[a])	Press to – preset/tune to preset stations. – select track numbers of the CD player, DVD player or Blu-ray disc player. Press 0/10 to select track number 10. – select channel numbers of the VCR or satellite tuner. Press the numeric buttons and TV (15) at the same time to select the TV channels.
21	TV INPUT	Press TV INPUT and TV (15) at the same time to select the input signal (TV input or video input).
	SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.

[a] The number 5, TV VOL +/MASTER VOL + and ▷ buttons have tactile dots. Use the tactile dots as references when operating the receiver.

[b] This button is also available for DIGITAL MEDIA PORT adapter operation. For details on the function of the button, see the operating instructions supplied with the DIGITAL MEDIA PORT adapter.

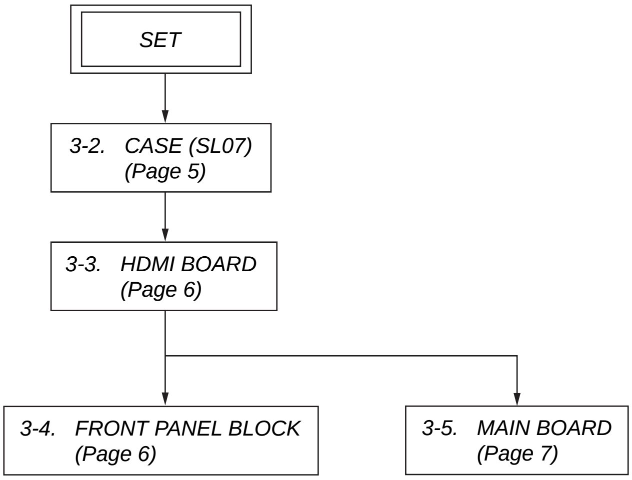
Notes

- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

SECTION 3
DISASSEMBLY

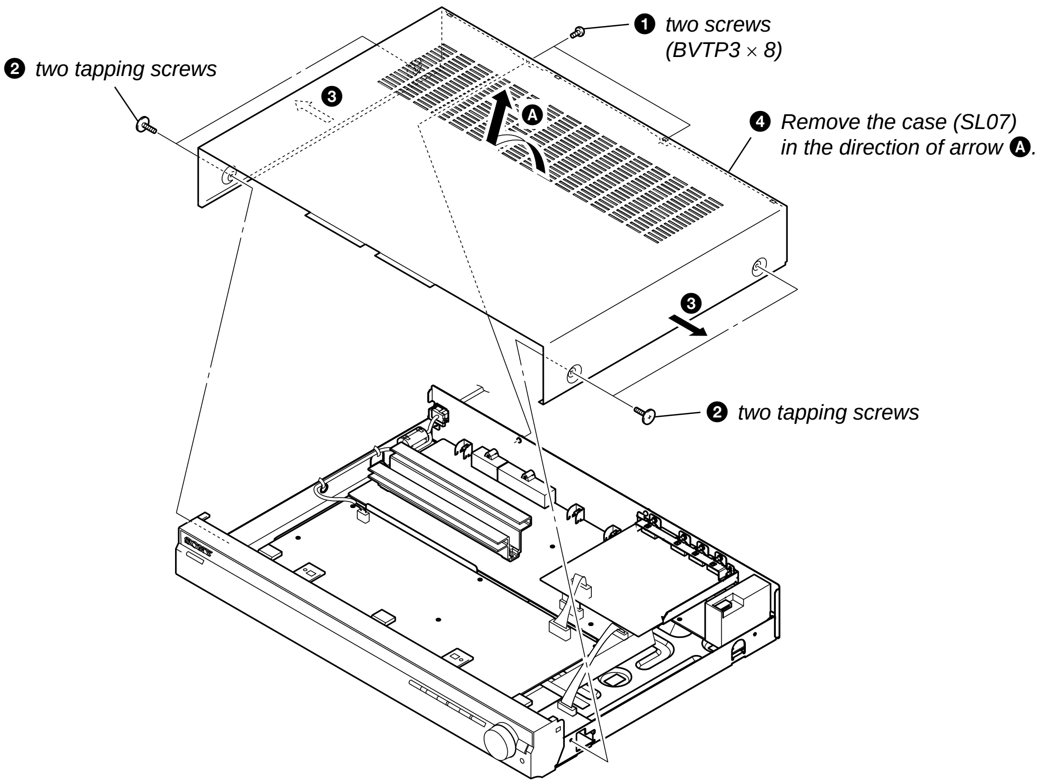
• This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

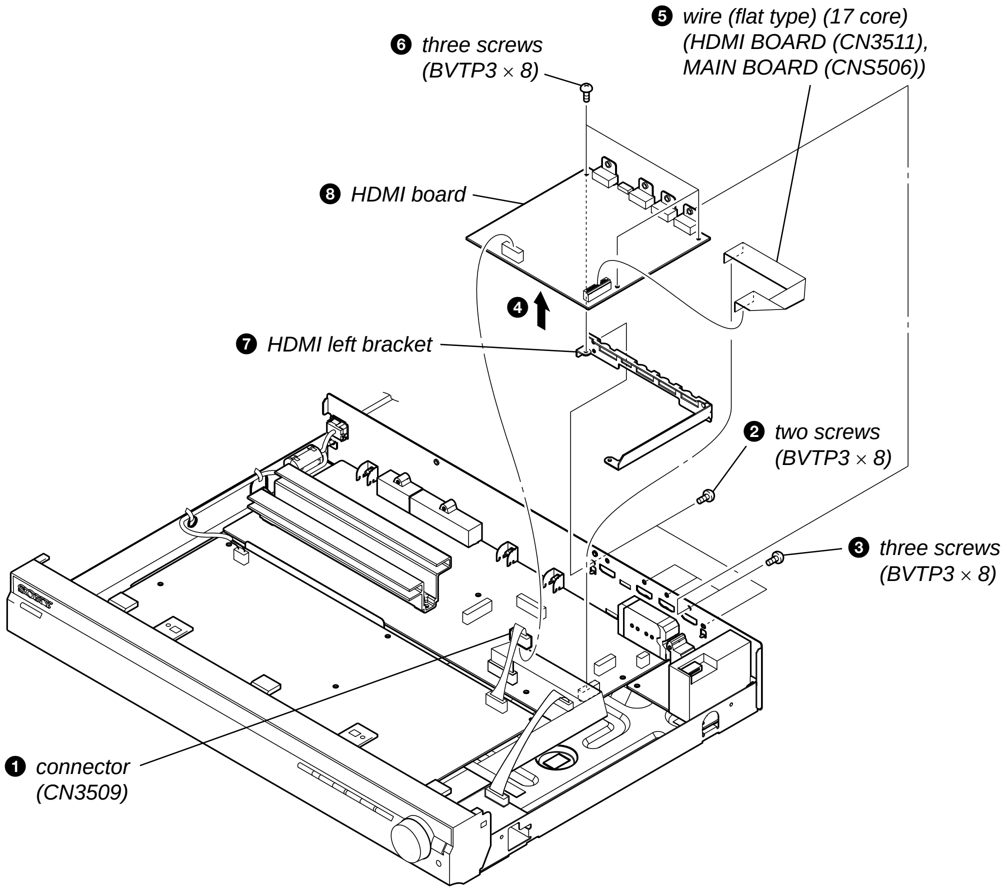


Note: Follow the disassembly procedure in the numerical order given.

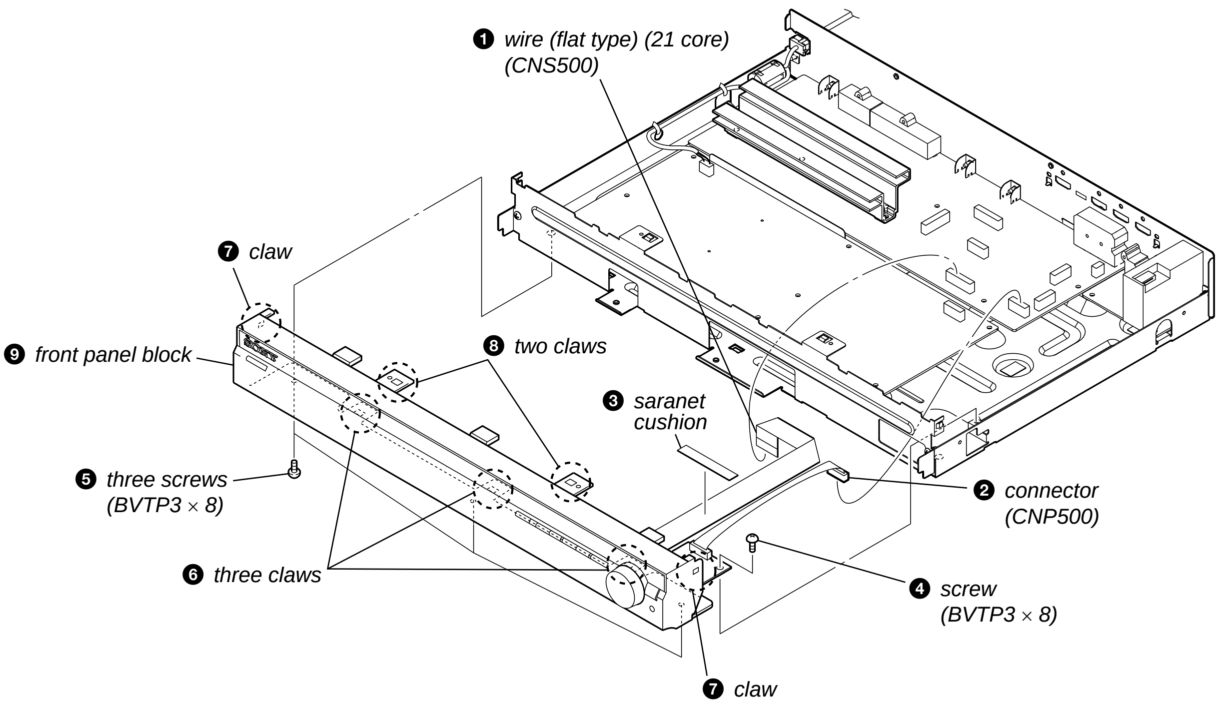
3-2. CASE (SL07)



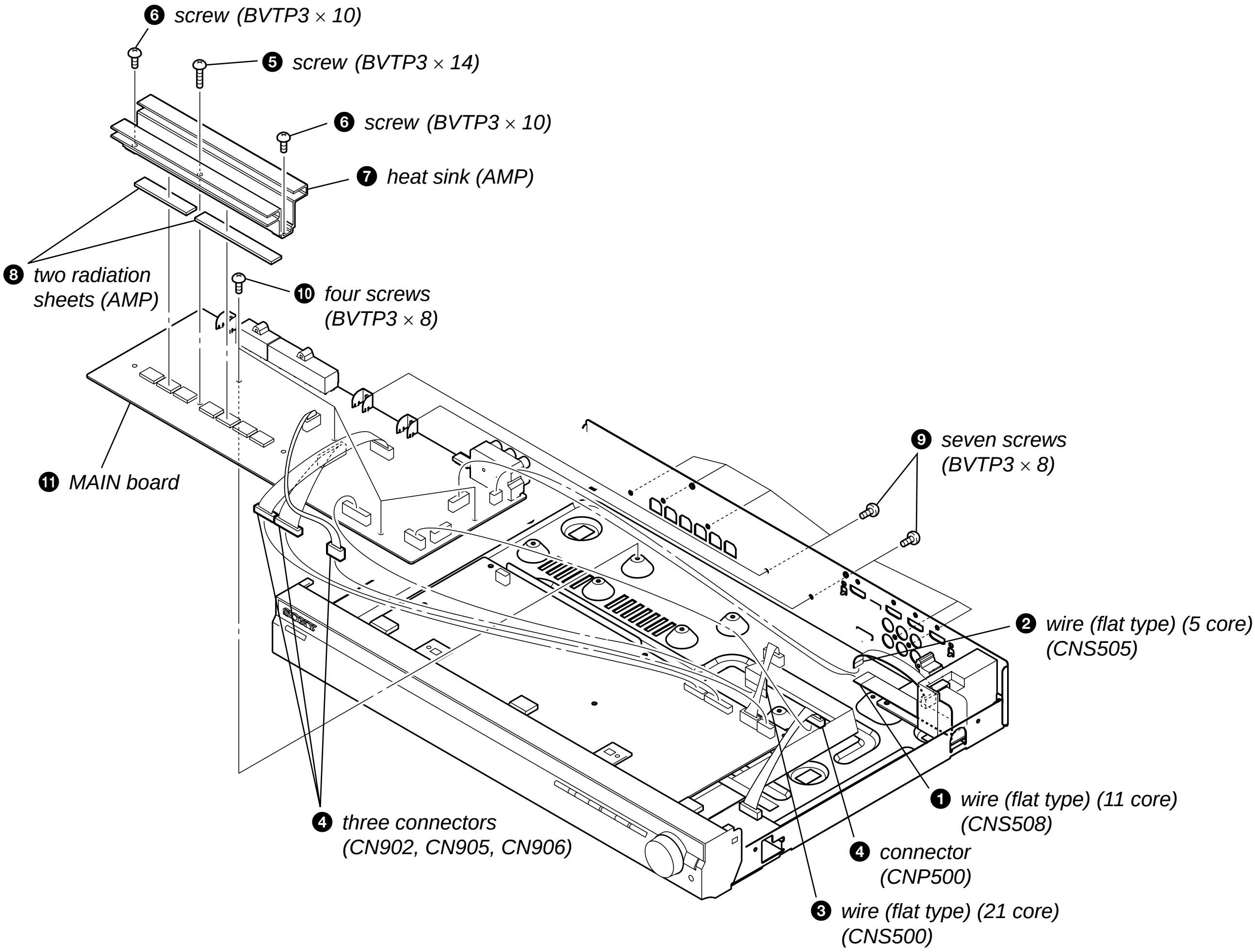
3-3. HDMI BOARD



3-4. FRONT PANEL BLOCK



3-5. MAIN BOARD



SECTION 4
TEST MODE

S.F. CLEAR MODE

The preset sound filed is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [SOUND FIELD +] button, press the [I/⏻] button to turn on the main power.
2. The message "S.F. CLR." appears and initialization is performed.

FACTORY PRESET MODE

All preset contents are reset to the default setting.

Procedure:

1. While pressing the [SOUND FIELD +] and [PRESET TUNING –] buttons, press the [I/⏻] button to turn on the main power.
2. The message "FACTORY" appears and the present contents are reset to the default values.

VERSION MODE

When this mode is used the model, the destination and the software version number are displayed.

Procedure:

1. While pressing the [INPUT SELECTOR] and [PRESET TUNING +] buttons, press the [I/⏻] button to turn on the main power.
2. The model, the distination and the software version number appear.

FL CHECK MODE

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. When pressing the [PRESET TUNING +] and [PRESET TUNING –] buttons, press the [I/⏻] button to turn on the main power.
2. All segments and [VIDEO 1], [SAT], [BD] LEDs turn on.
3. Press the [INPUT SELECTOR] button.
4. Half of segments and [DMPORT], [VIDEO 2], [SA-CD/CD] LEDs turn on.
5. Press the [INPUT SELECTOR] button once again.
6. Others half of segments and [DVD], [TV], [TUNER] LEDs turn on.
7. Press the [INPUT SELECTOR] button once again.
8. Segments of "EQ" turn on.

KEY CHECK MODE

This mode is used to check the key.

Procedure:

1. While pressing the [MUTING] and [PRESET TUNING –] buttons, press the [I/⏻] button to turn on the main power.
2. The message "REST 06" appears.
3. Every pressing of any button other than the [I/⏻] button counts down the buttons. The buttons which are already counted once are not counted again.
4. When all buttons are pressed, the message "REST 00" appears.

SWAP AUTO MODE

(Not used for the servicing)

SHIPMENT MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [PRESET TUNING –] and [SOUND FIELD –] buttons, press the [I/⏻] button to turn on the main power.
2. The message "CLEARING" appears, then the message "CLEARED" appears.

PROTECTOR EVER MODE

When this mode is used, a protector on state is maintainable.

Procedure:

1. While pressing the [SOUND FIELD +] and [INPUT SELECTOR] buttons, press the [I/⏻] button to turn on the main power.
2. The message "PROTEVER" appears.

VACS OFF MODE

This mode is used to switch off the VACS (Variable Attenuation Control System).

Procedure:

1. Press the buttons of standard commander (RM-AAU023) (PART No.: 1-480-587-11) in order of [DISPLAY] → [DISPLAY] → [DISPLAY] → [MASTER VOL +] → [3].
2. The message "VACS OFF" appears and the switch off the VACS.

DCAC TEST MODE

(Not used for the servicing)

RE-BOX CLASSIFICATION TEST MODE

Procedure:

1. While pressing the [PRESET TUNING +] and [SOUND FIELD +] buttons, press the [I/⏻] button to turn on the main power.
2. The message "R.BOX□□□XX" appears.
   XX: times set powered on

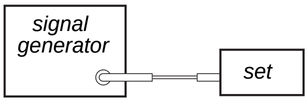
HDMI CONTROL ON/OFF MODE

Procedure:

1. Press the [I/⏻] button to turn on the main power.
2. Press the buttons of standard commander (RM-AAU023) (PART No.: 1-480-587-11) in order of [AMP MENU] → [↓] → [↓] → [↓] → [↓] → [↓] → [→] → [↓] → [→] → [↓].
3. The message "CTRL ON" appears, [ACTIVE STANDBY] LED turn on when the receiver is a standby mode.
4. Press the buttons [↑] of standard commander.
5. The message "CTRL OFF" appears, [ACTIVE STANDBY] LED turn off when the receiver is a standby mode.

SECTION 5
ELECTRICAL CHECK

FM AUTO STOP CHECK



Procedure:
1. Turn on the set.
2. Input the following signal from signal generator to FM antenna input directly.

Carrier frequency : A = 87.5 MHz, B = 98 MHz, C = 108 MHz
Deviation : 75 kHz
Modulation : 1 kHz
ANT input : 1 kHz

Note: Use 75 ohm coaxial cable to connect signal generator and the set.
You cannot use video cable for checking.
Use signal generator whose output impedance is 75 ohm.

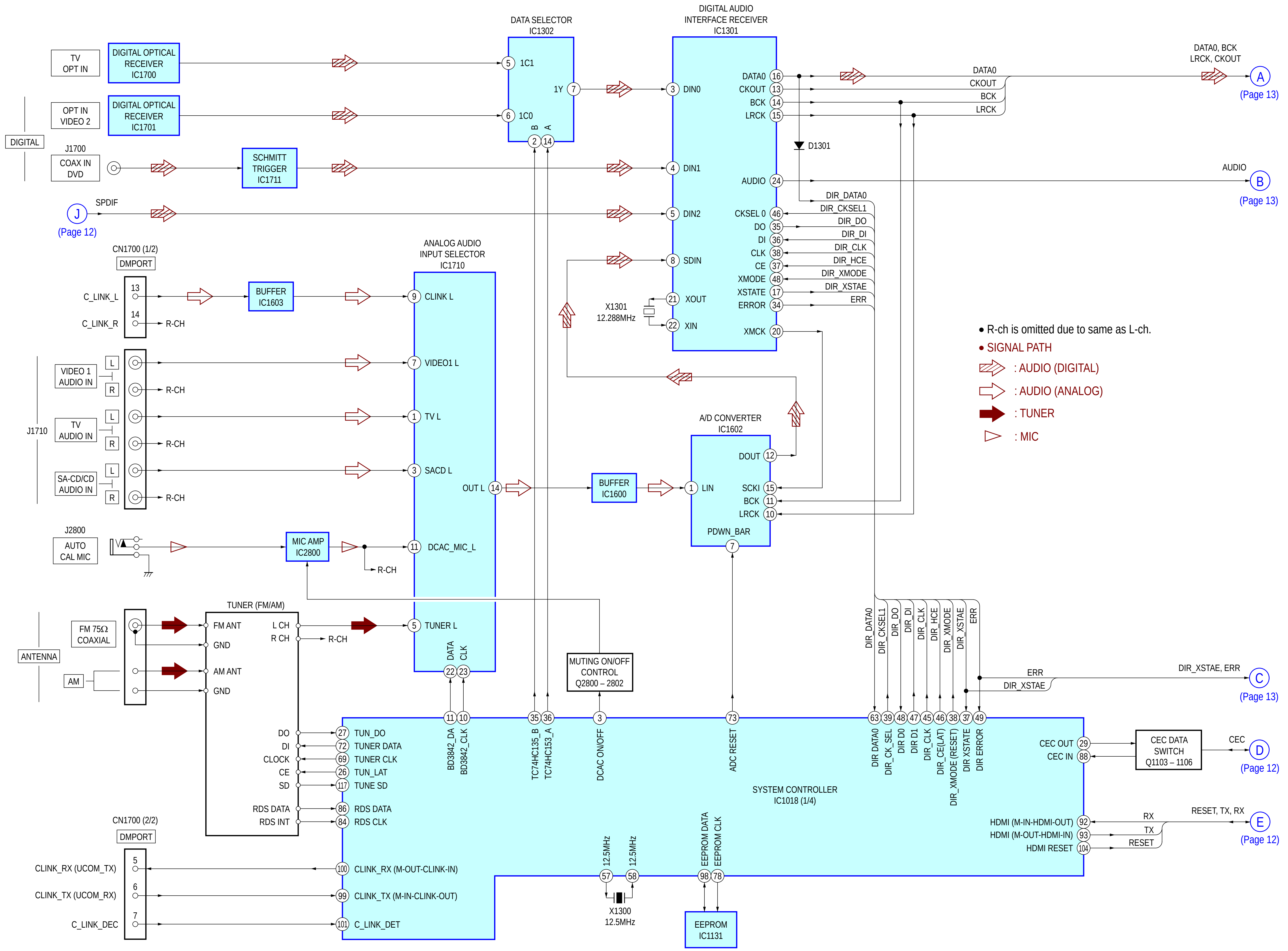
3. Set to FM tuner function and scan the input FM signal with automatic scanning.
4. Confirm that input frequency of A, B and C are detected and automatic scanning stops.

When the station signal is received in good condition, automatic scanning stops.

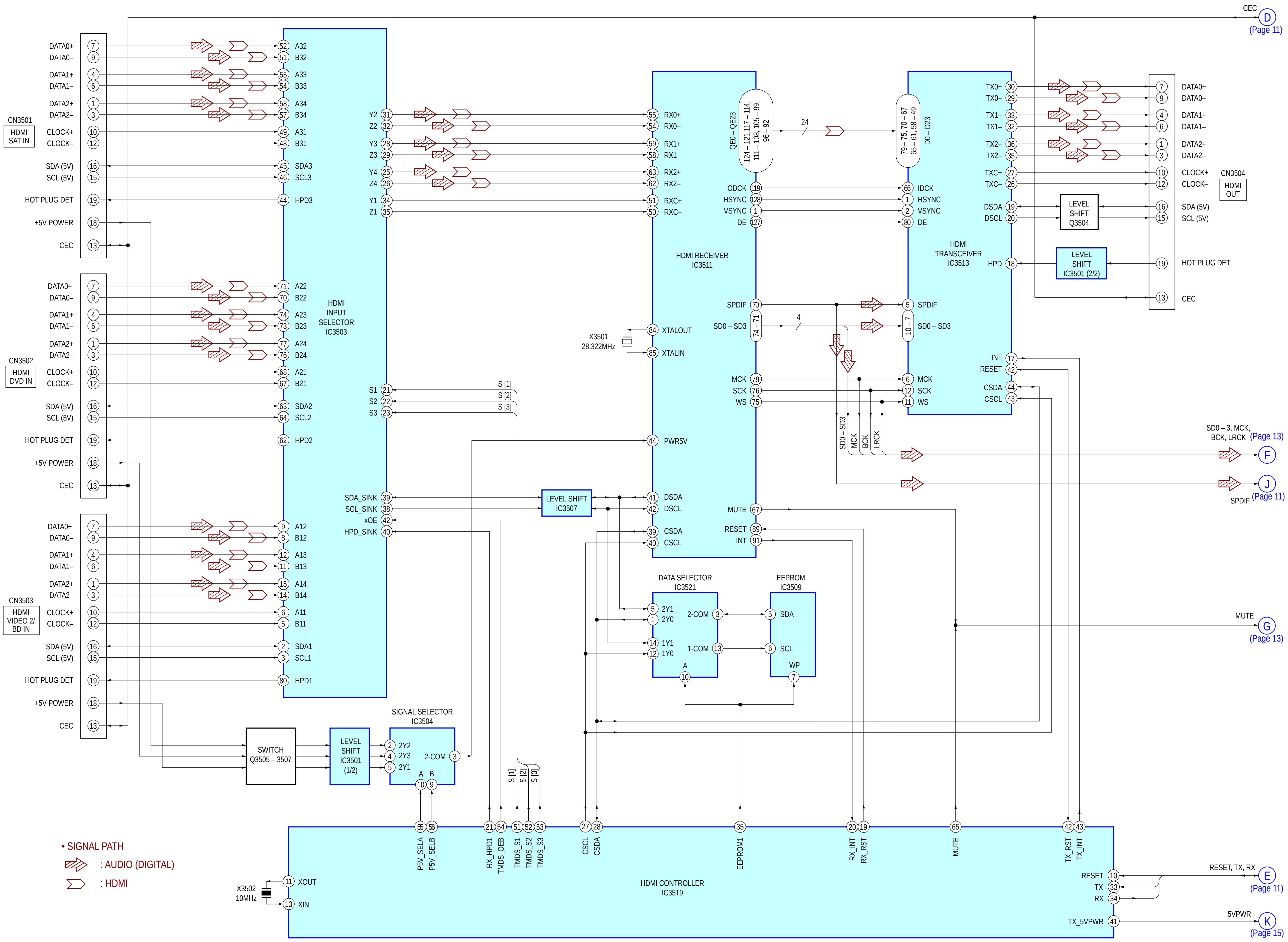
MEMO

SECTION 6
DIAGRAMS

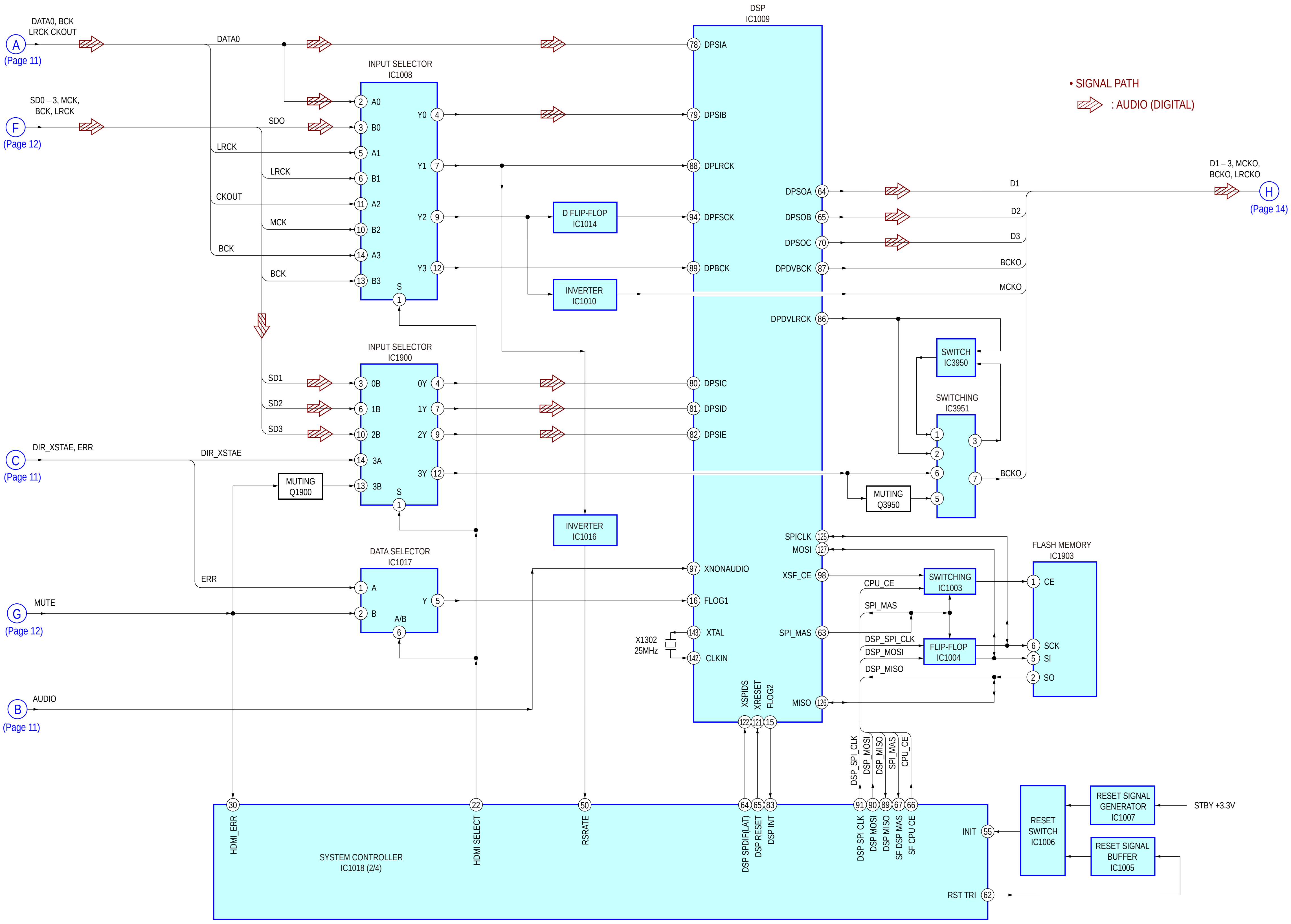
6-1. BLOCK DIAGRAM - MAIN Section -



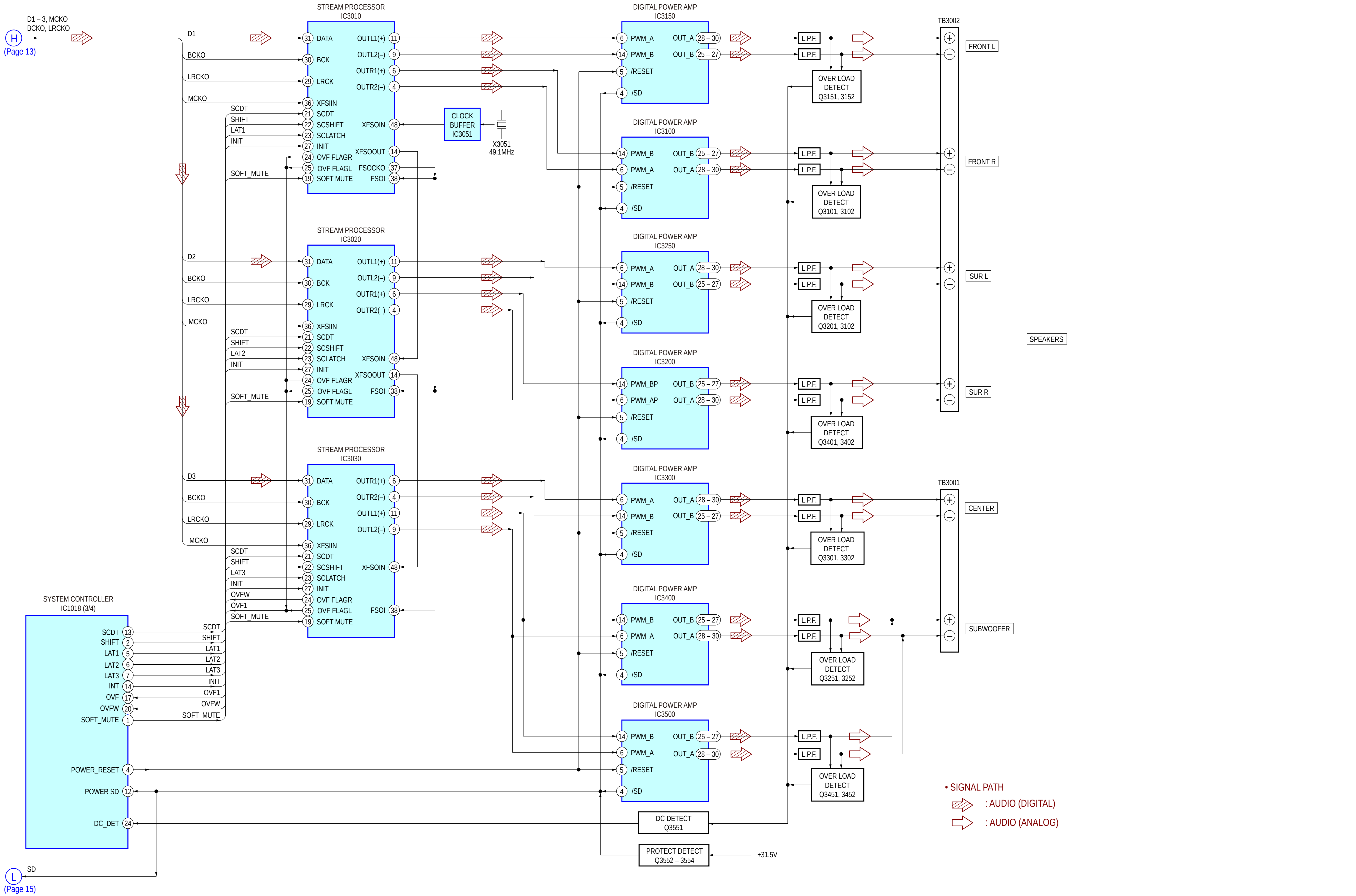
6-2. BLOCK DIAGRAM - HDMI Section -



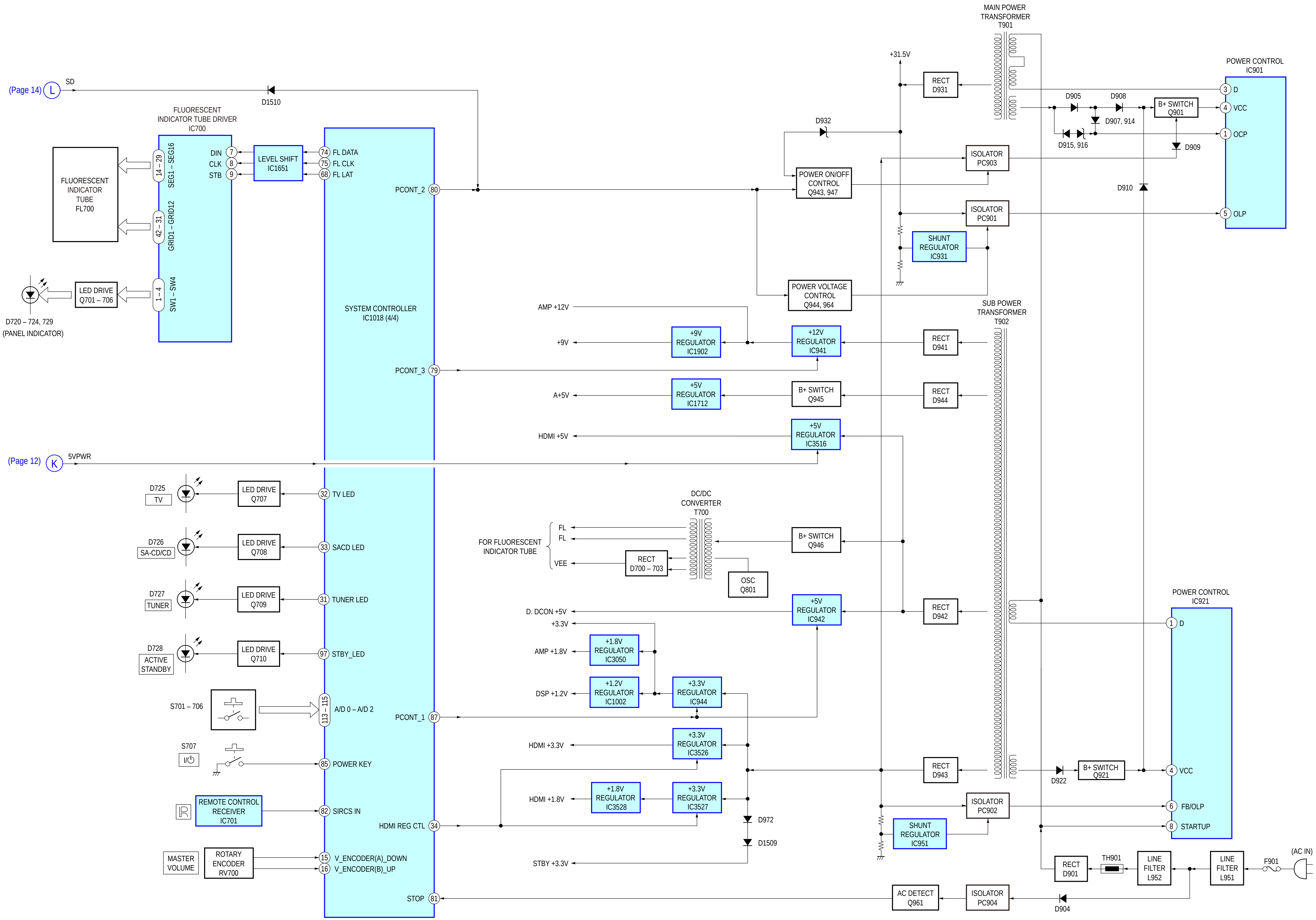
6-3. BLOCK DIAGRAM - DSP Section -



6-4. BLOCK DIAGRAM - AMP Section -



6-5. BLOCK DIAGRAM - POWER SUPPLY Section -



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For Printed Wiring Boards.

Note:
- ○——— : Parts extracted from the component side.
- ——— : Parts extracted from the conductor side.
- △ : Internal component.
- (green) : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

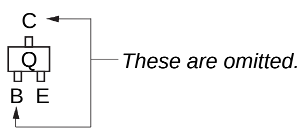
Caution:

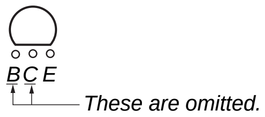
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Pattern face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

Caution:

Parts face side: (SIDE A)	Parts on the parts face side seen from the pattern face are indicated.
Pattern face side: (SIDE B)	Parts on the pattern face side seen from the parts face are indicated.

- Indication of transistor.





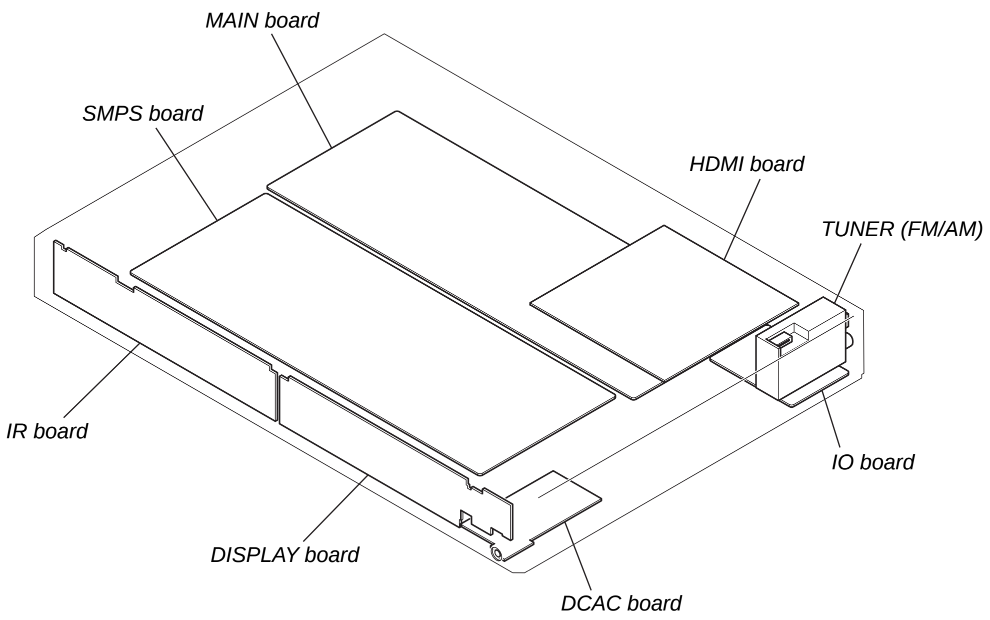
For Schematic Diagrams.

Note:
- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $^1/_4$ W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : flusible resistor.
- : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

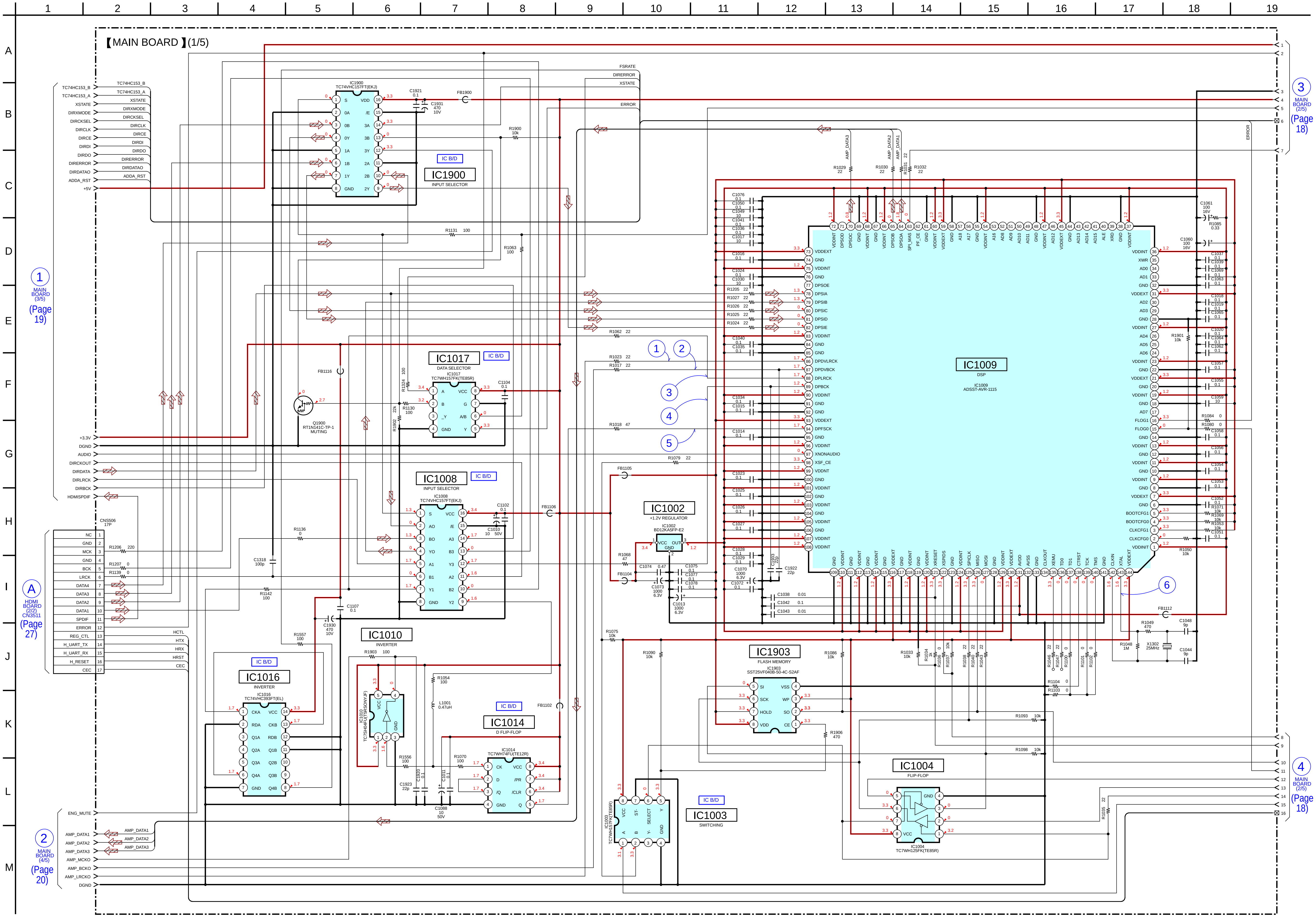
- ━━━ : B+ Line.
- ━ ━ ━ : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : TUNER
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  - : AUDIO (DIGITAL)
  - : AUDIO (ANALOG)
  - : TUNER
  - : HDMI
  - : MIC

- **Circuit Boards Location**

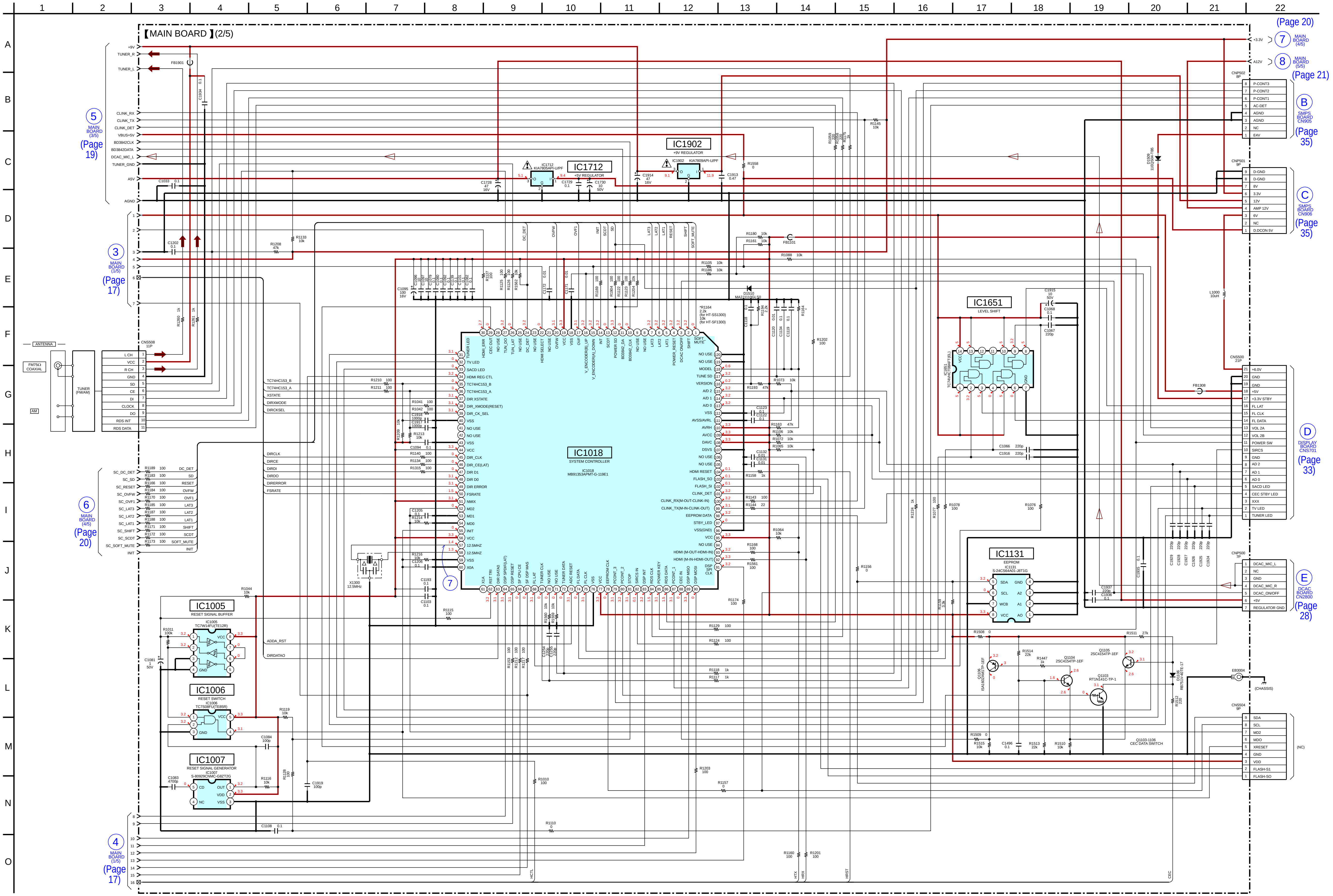


6-6. SCHEMATIC DIAGRAM - MAIN Board (1/5) -

• See page 29 for Waveforms. • See page 36 for IC Block Diagrams. • See page 43 for IC Pin Function Description.

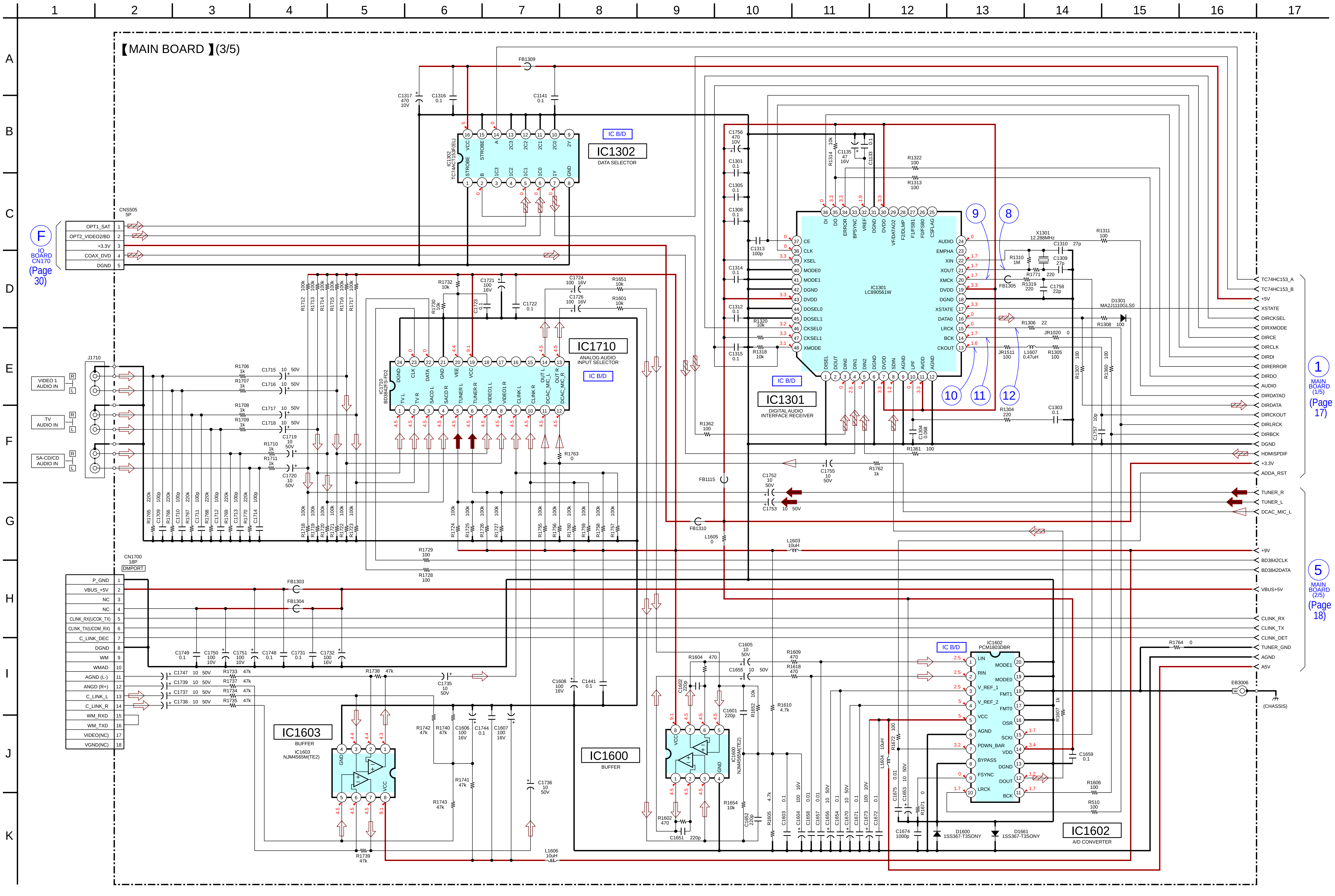


6-7. SCHEMATIC DIAGRAM - MAIN Board (2/5) - • See page 29 for Waveforms. • See page 43 for IC Pin Function Description.

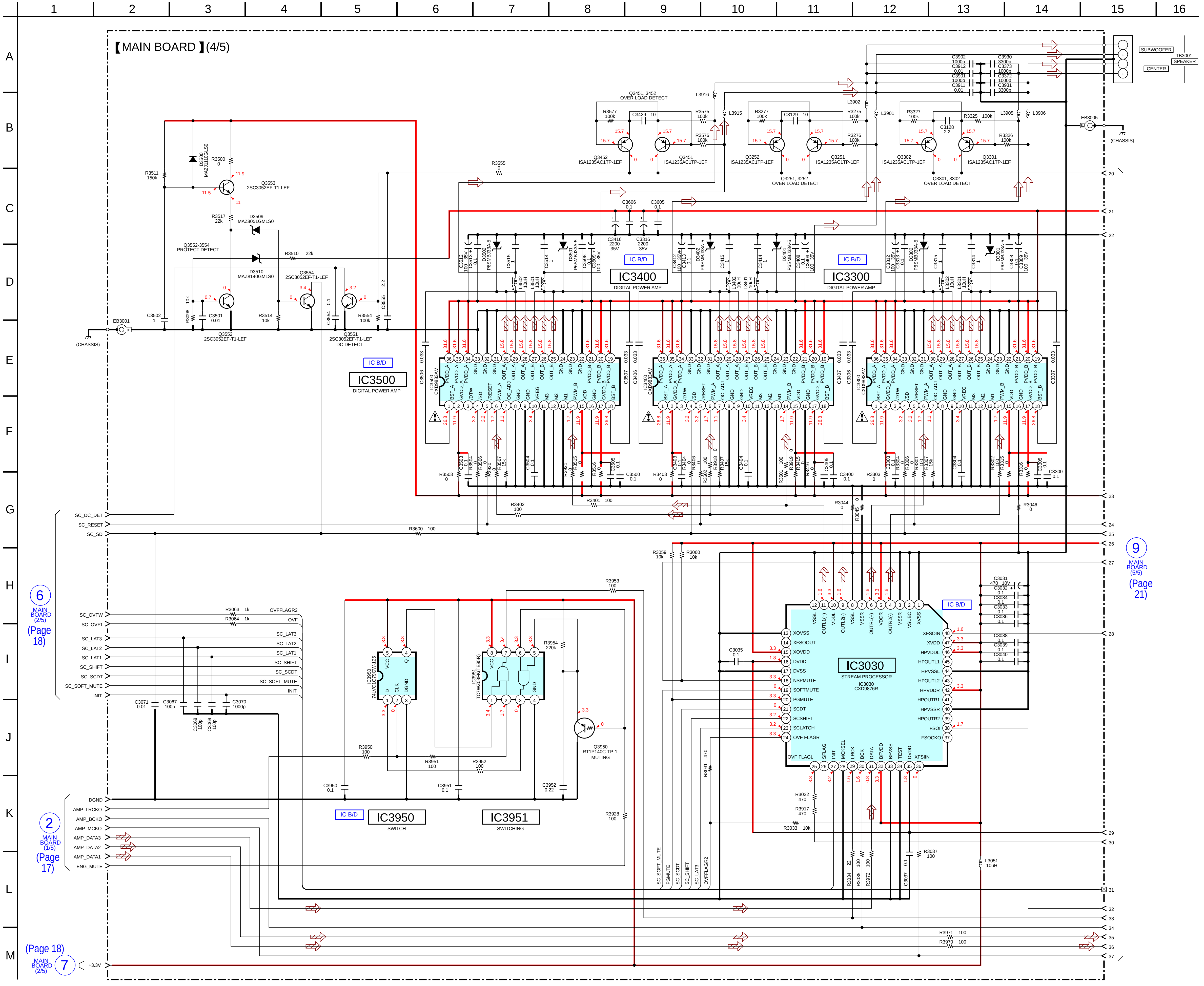


Note: IC1131 cannot exchange with single. When IC1131 is damaged, exchange the entire mounted board.

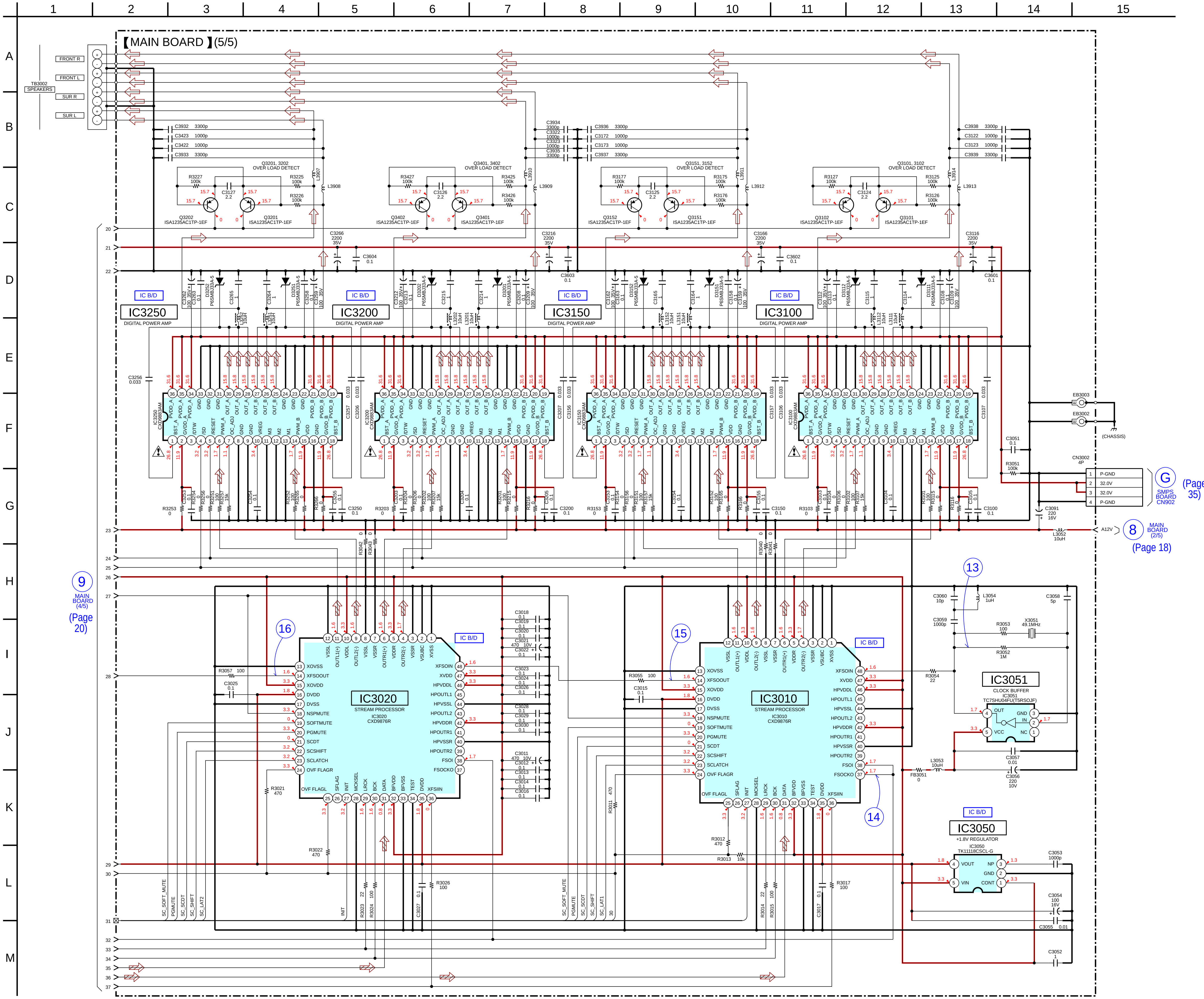
6-8. SCHEMATIC DIAGRAM - MAIN Board (3/5) - • See page 29 for Waveforms. • See page 36 for IC Block Diagrams.



6-9. SCHEMATIC DIAGRAM - MAIN Board (4/5) - • See page 36 for IC Block Diagrams.

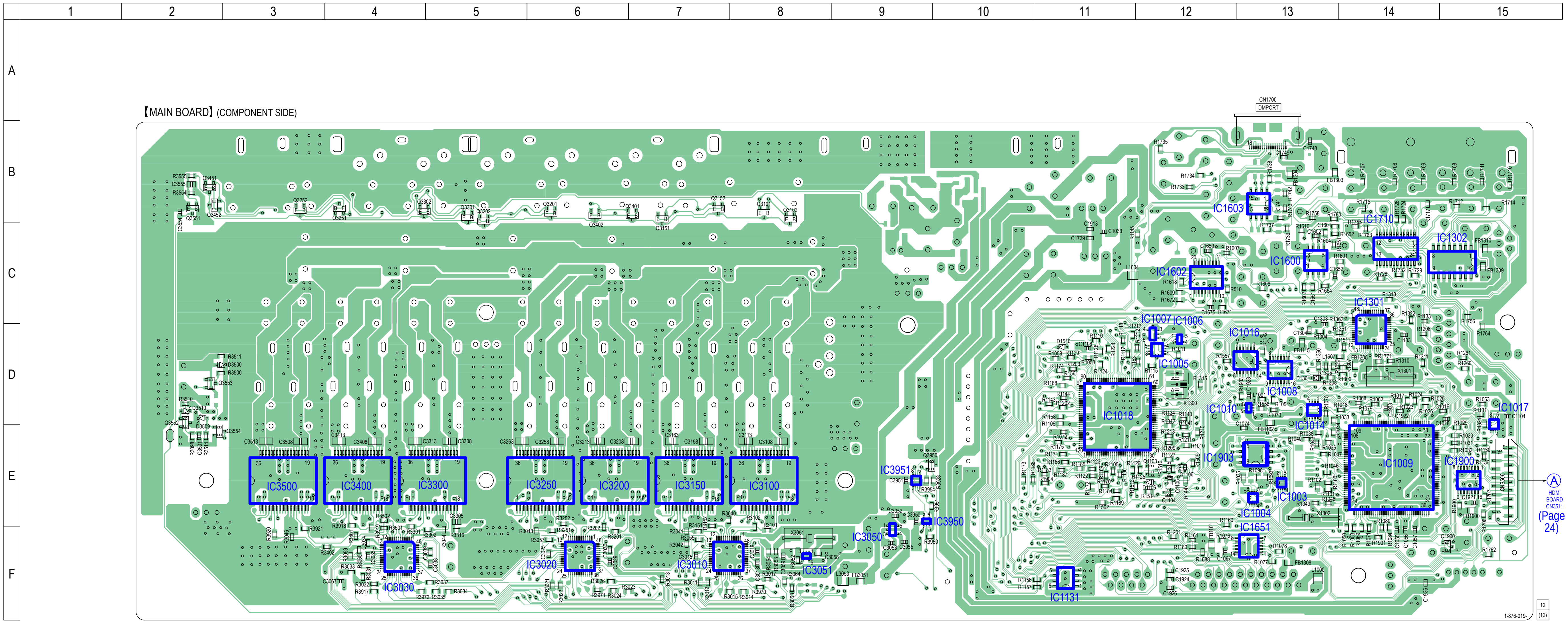


6-10. SCHEMATIC DIAGRAM - MAIN Board (5/5) - • See page 29 for Waveforms. • See page 36 for IC Block Diagrams.



6-11. PRINTED WIRING BOARD - MAIN Board (Component Side) -

• See page 16 for Circuit Boards Location. • : Uses unleaded solder.



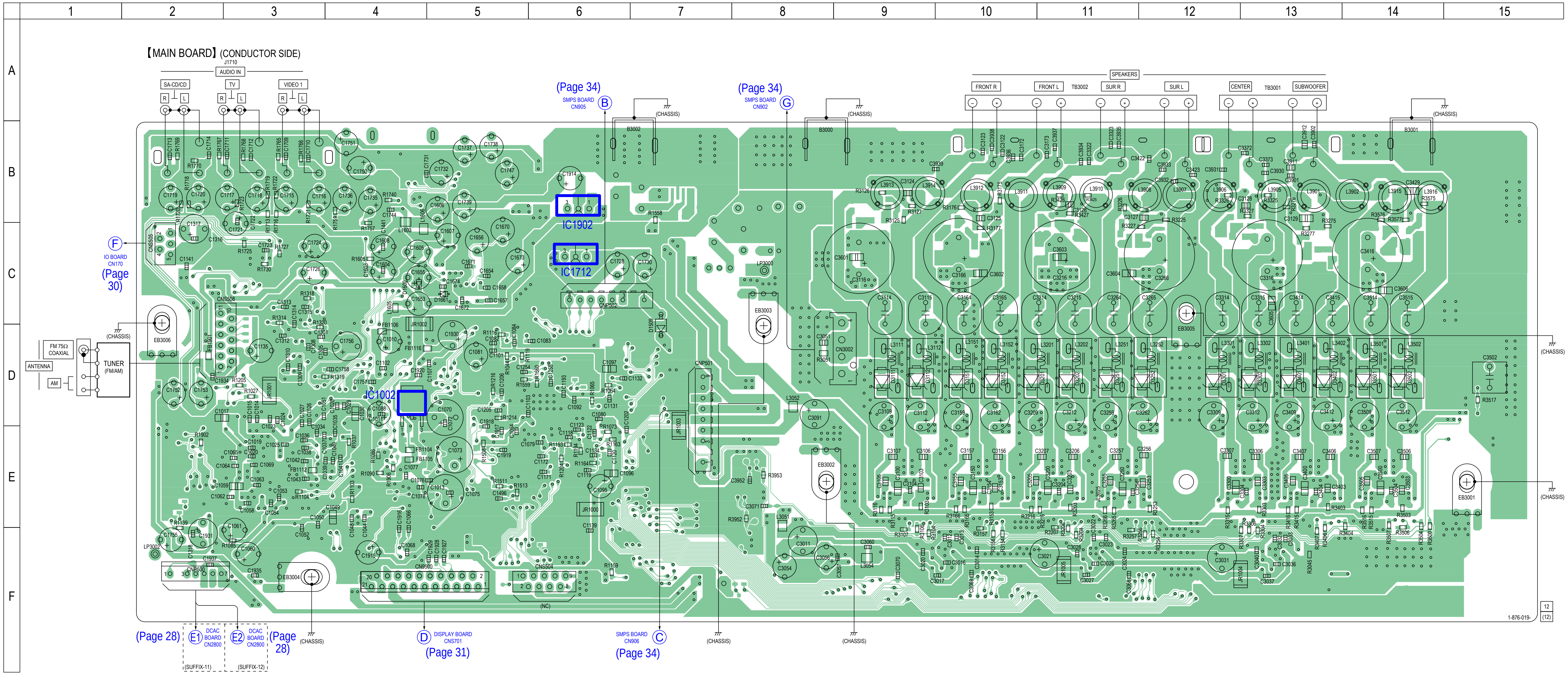
Note: IC1131 cannot exchange with single. When IC1131 is damaged, exchange the entire mounted board.

• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1106	E-12			IC1008	D-13	IC1018	D-11	IC1603	B-13	IC3020	F-6	IC3200	E-6	IC3951	E-9	Q1900	F-15	Q3202	B-5	Q3402	B-6	Q3554	E-2
D1301	D-13	IC1003	E-13	IC1009	E-14	IC1131	F-11	IC1651	F-13	IC3030	F-4	IC3250	E-6			Q3101	B-8	Q3251	B-4	Q3451	B-2	Q3950	E-9
D1510	D-11	IC1004	E-13	IC1010	D-13	IC1301	D-14	IC1710	C-14	IC3050	F-9	IC3300	E-5	Q1103	E-12	Q3102	B-8	Q3252	B-3	Q3452	B-2		
D3500	D-2	IC1005	D-12	IC1014	D-13	IC1302	C-15	IC1900	E-15	IC3051	F-8	IC3400	E-4	Q1104	E-12	Q3151	B-7	Q3301	B-5	Q3551	B-2		
D3509	D-2	IC1006	D-12	IC1016	D-13	IC1600	C-13	IC1903	E-13	IC3100	E-8	IC3500	E-3	Q1105	E-12	Q3152	B-7	Q3302	B-4	Q3552	D-2		
D3510	D-2	IC1007	D-12	IC1017	D-15	IC1602	C-12	IC3010	F-7	IC3150	E-7	IC3950	E-9	Q1106	E-12	Q3201	B-6	Q3401	B-7	Q3553	D-2		

6-12. PRINTED WIRING BOARD - MAIN Board (Conductor Side) -

• See page 16 for Circuit Boards Location. • : Uses unleaded solder.



Note: Refer to the Servicing Notes “DCAC BOARD DISCRIMINATION” (page 2) for how to distinguish Suffix-11 and Suffix-12.

• **Semiconductor Location**

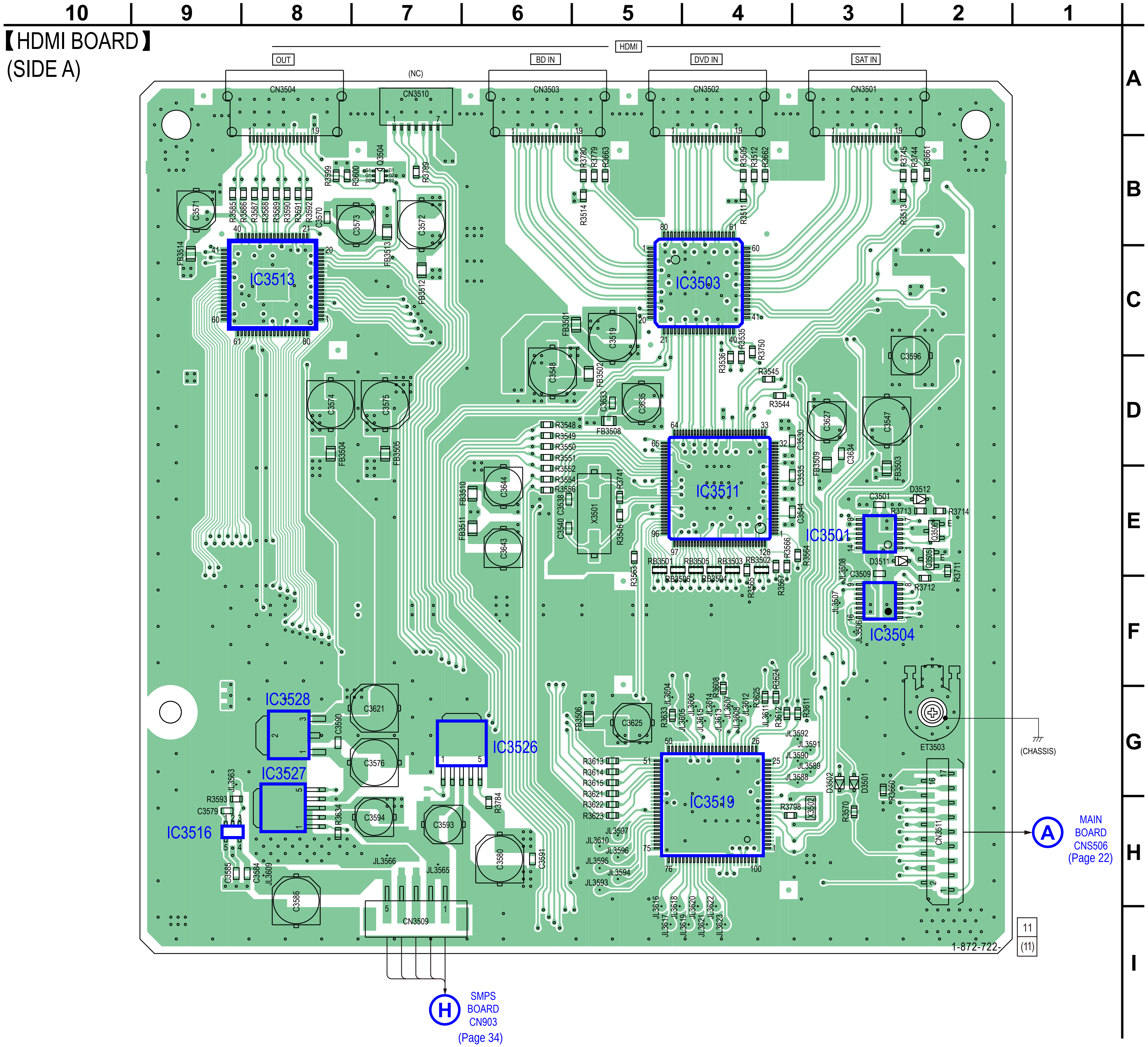
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1509	D-7	D3152	D-10	D3302	D-13	IC1002	D-4
D1600	C-4	D3201	D-10	D3401	D-13	IC1712	C-6
D1661	C-5	D3202	D-11	D3402	D-13	IC1902	B-6
D3111	D-9	D3251	D-11	D3501	D-14		
D3112	D-9	D3252	D-12	D3502	D-14		
D3151	D-10	D3301	D-12				

6-13. PRINTED WIRING BOARD - HDMI Board (Side A) -

• See page 16 for Circuit Boards Location. • : Uses unleaded solder.

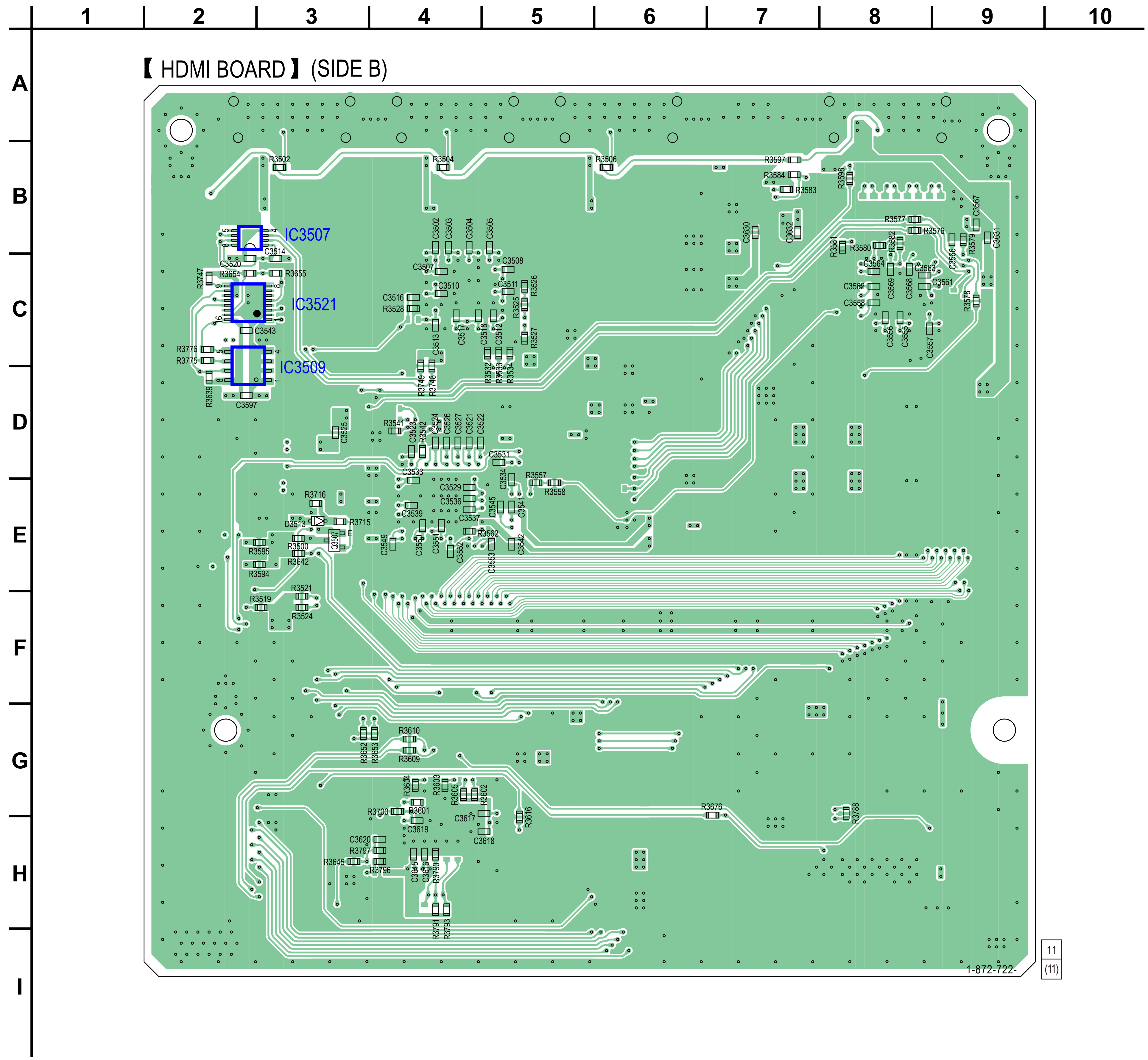
• **Semiconductor Location**

Ref. No.	Location
D3501	G-3
D3502	G-3
D3511	E-3
D3512	E-2
IC3501	E-3
IC3503	C-4
IC3504	F-3
IC3511	E-4
IC3513	C-8
IC3516	H-9
IC3519	H-4
IC3526	G-6
IC3527	H-8
IC3528	G-8
Q3504	B-7
Q3505	E-2
Q3506	E-2



Note: IC3511 and IC3513 cannot exchange with single. When IC3511 and IC3513 are damaged, exchange the entire mounted board.

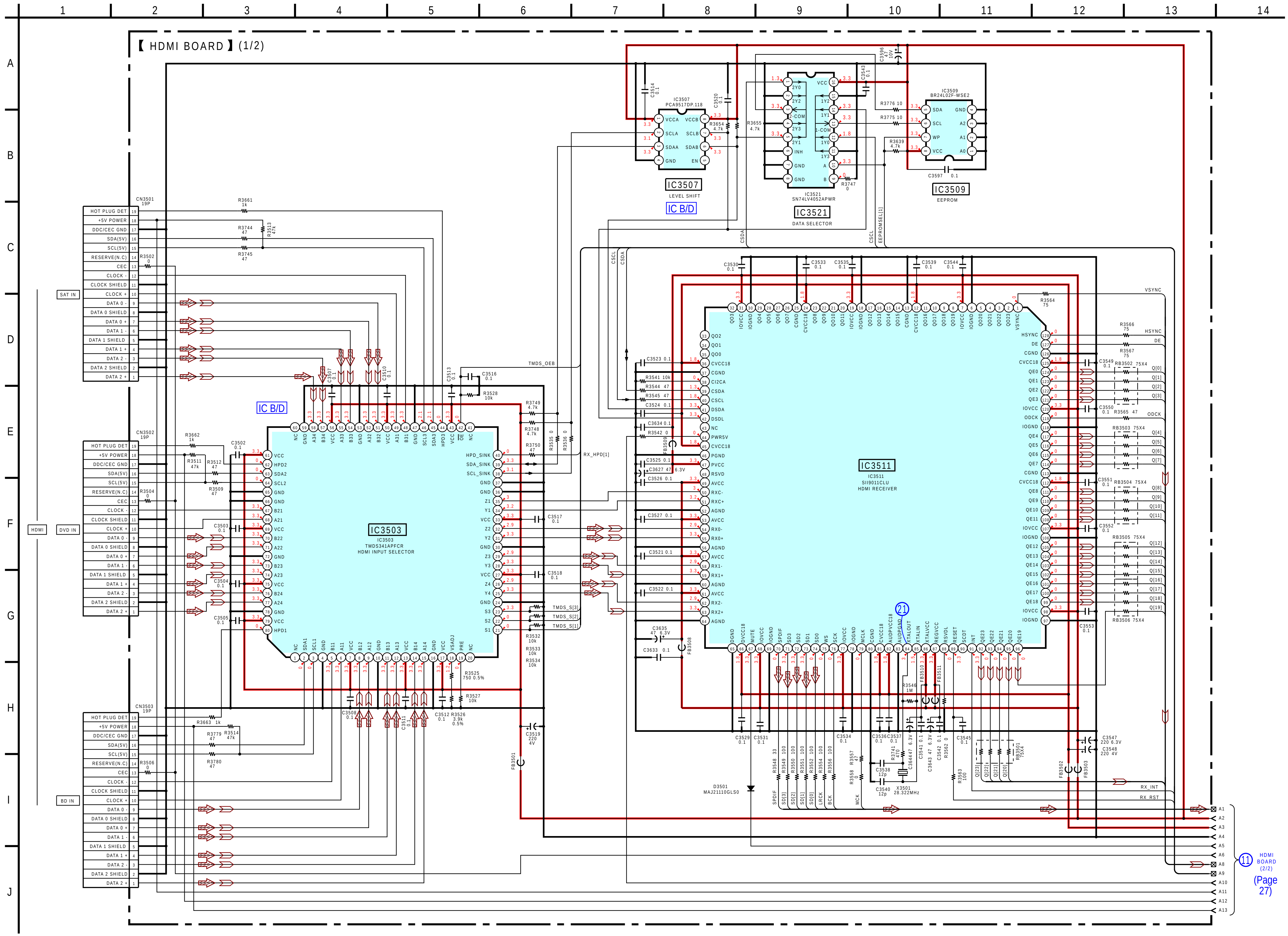
6-14. PRINTED WIRING BOARD - HDMI Board (Side B) - • See page 16 for Circuit Boards Location. • : Uses unleaded solder.



• Semiconductor Location

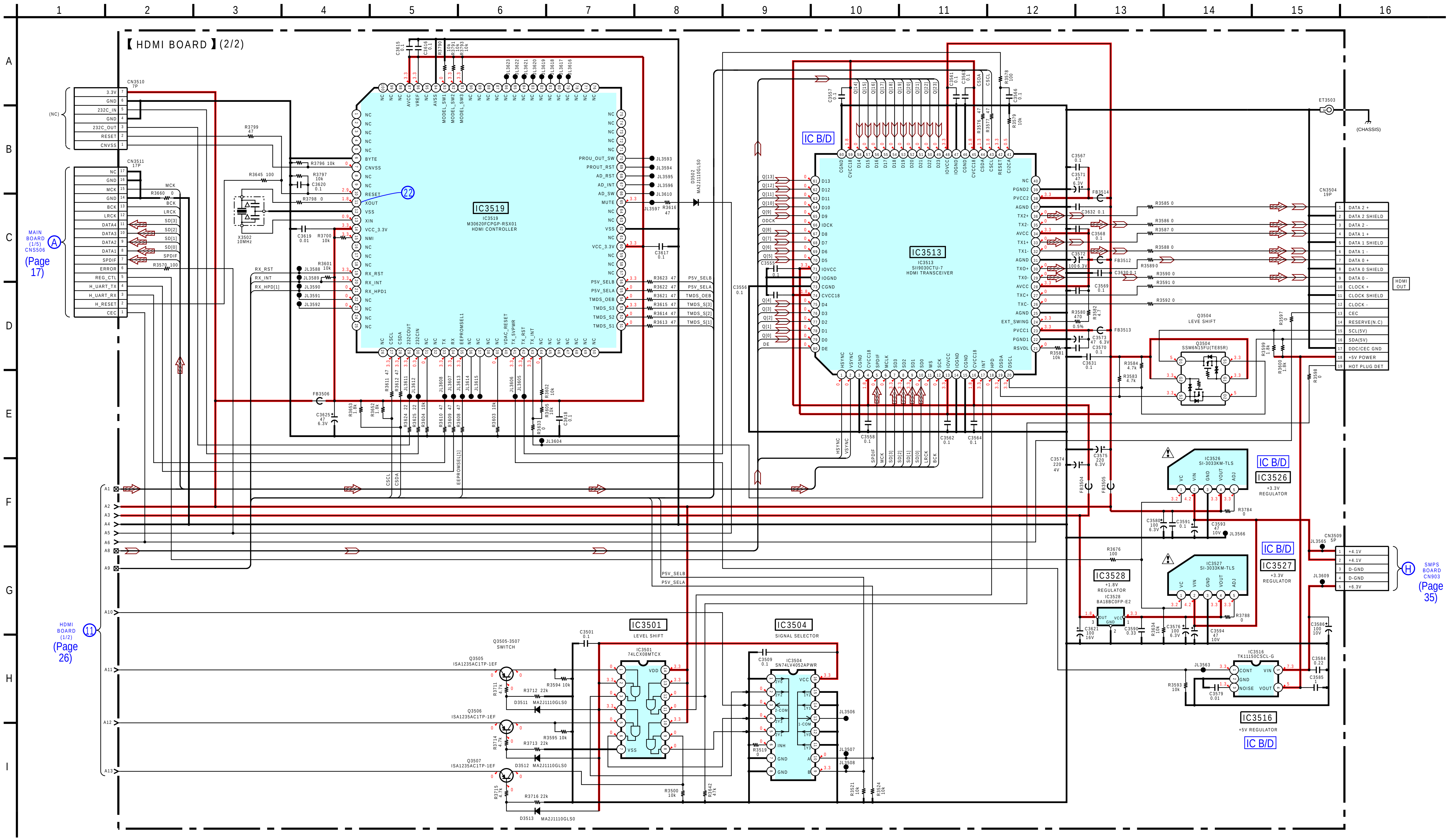
Ref. No.	Location
D3513	E-3
IC3507	B-2
IC3509	C-2
IC3521	C-2
Q3507	E-3

6-15. SCHEMATIC DIAGRAM - HDMI Board (1/2) - • See page 29 for Waveforms. • See page 36 for IC Block Diagrams. • See page 43 for IC Pin Function Description.



Note: IC3511 cannot exchange with single. When IC3511 is damaged, exchange the entire mounted board.

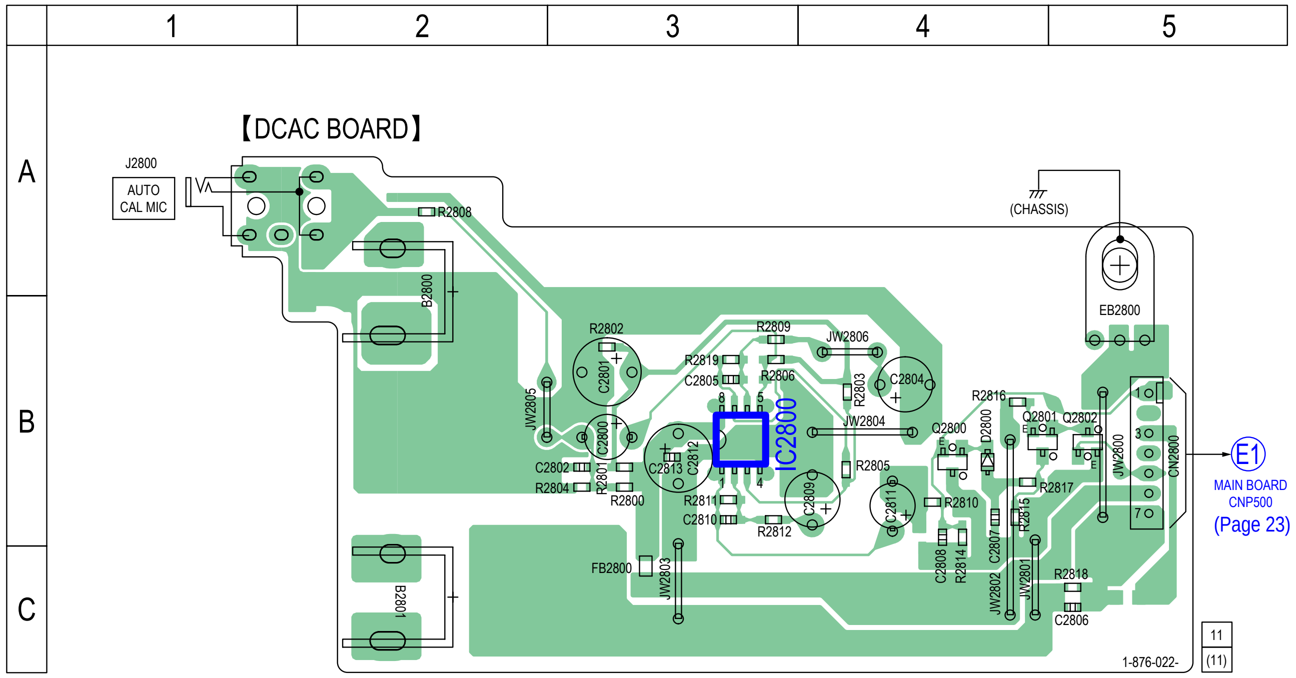
6-16. SCHEMATIC DIAGRAM - HDMI Board (2/2) - • See page 29 for Waveforms. • See page 36 for IC Block Diagrams. • See page 43 for IC Pin Function Description.



Note: IC3513 cannot exchange with single. When IC3513 is damaged, exchange the entire mounted board.

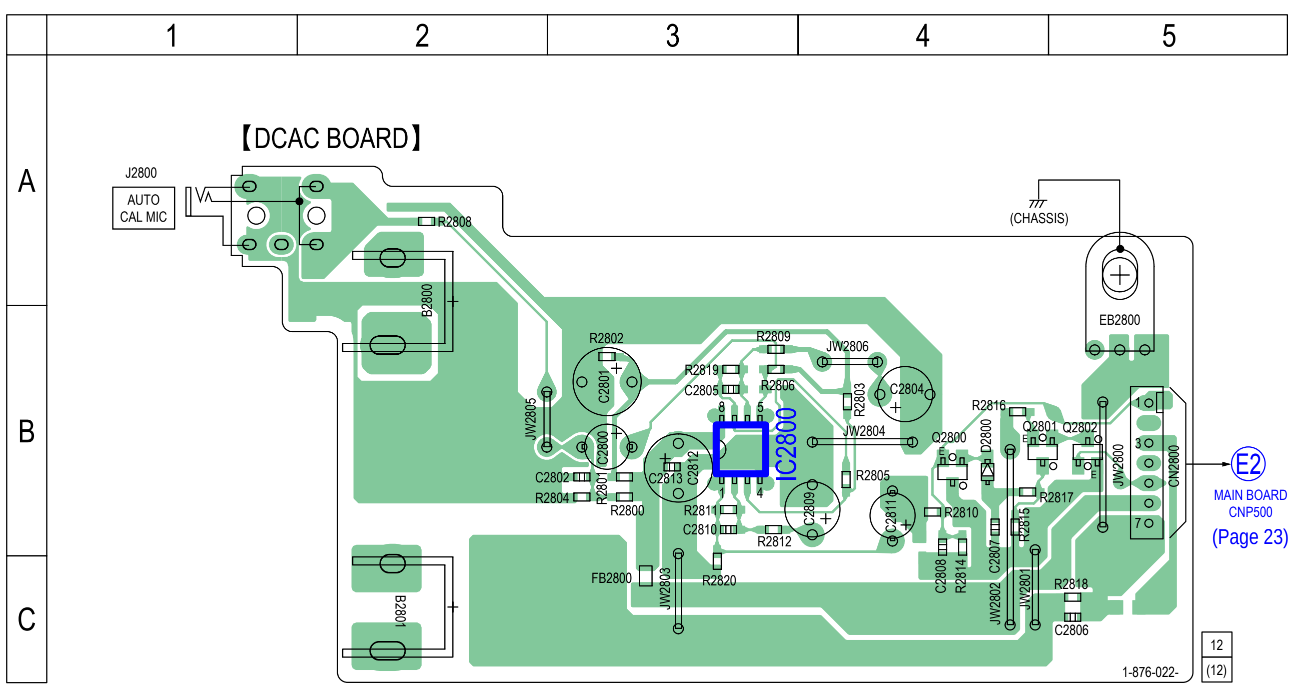
6-17. PRINTED WIRING BOARD - DCAC Board (Suffix-11) -

- See page 16 for Circuit Boards Location.
- LF : Uses unleaded solder.



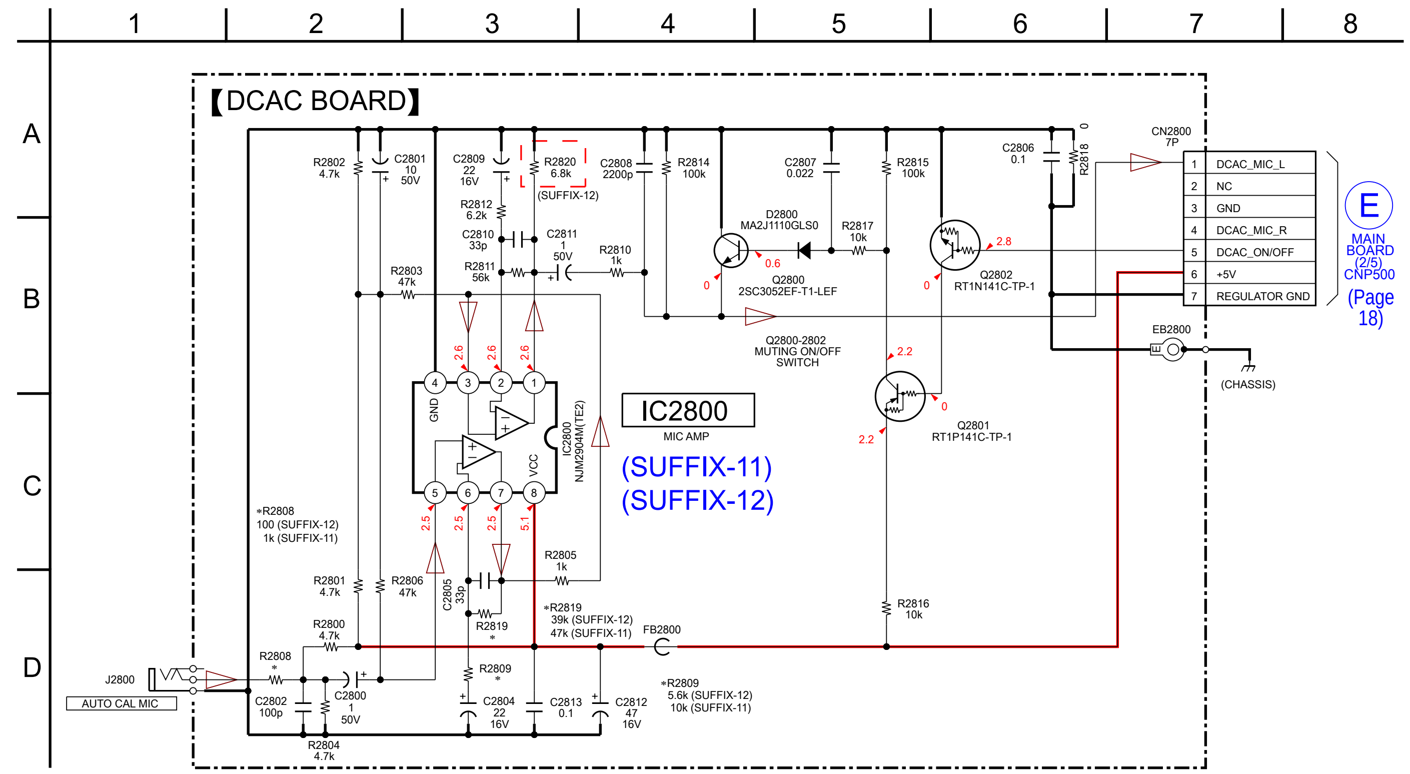
6-18. PRINTED WIRING BOARD - DCAC Board (Suffix-12) -

- See page 16 for Circuit Boards Location.
- LF : Uses unleaded solder.



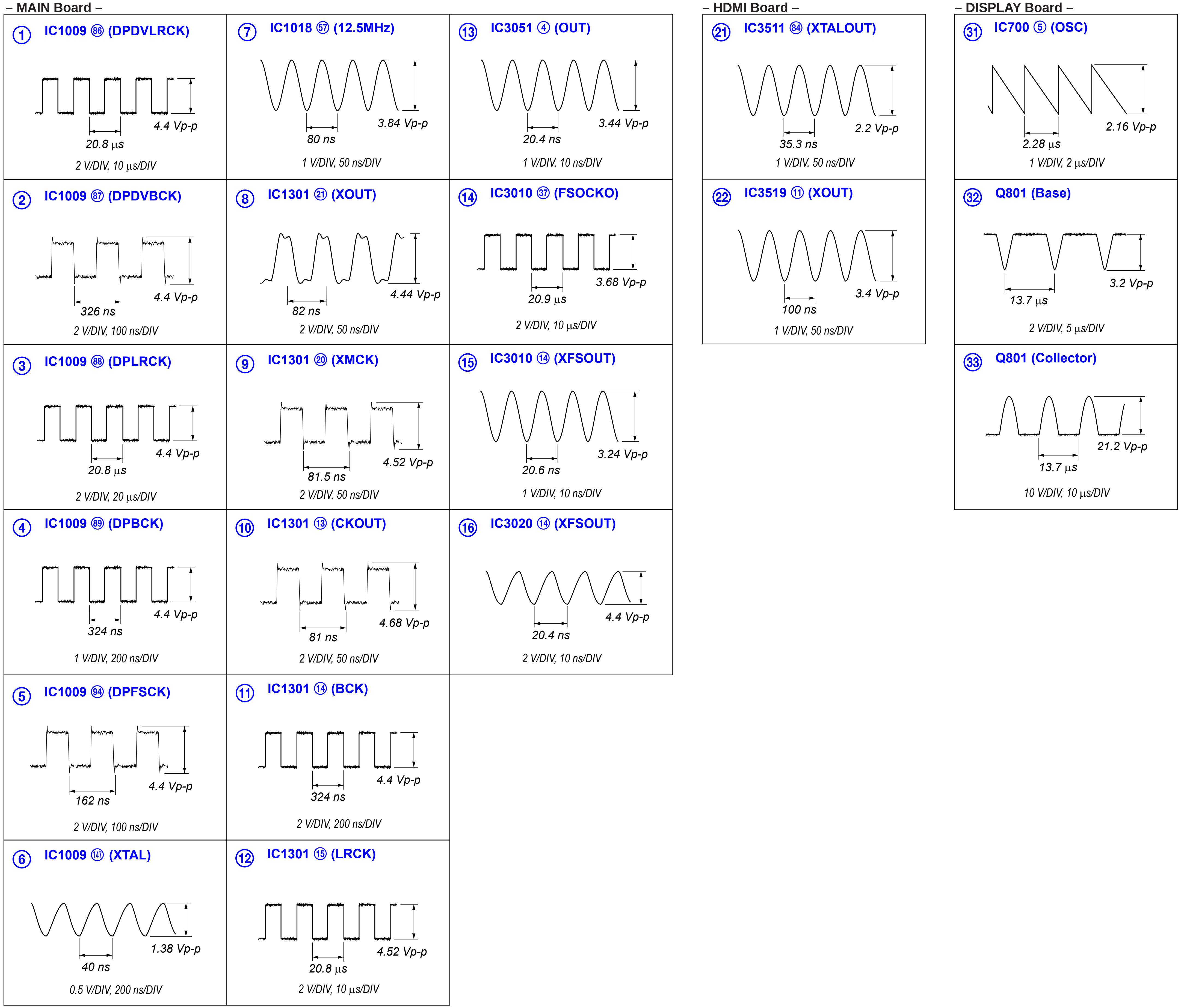
Note: Refer to the Servicing Notes “DCAC, IO AND SMPS BOARDS DISCRIMINATION” (page 2) for how to distinguish Suffix-11 and Suffix-12.

6-19. SCHEMATIC DIAGRAM - DCAC Board -



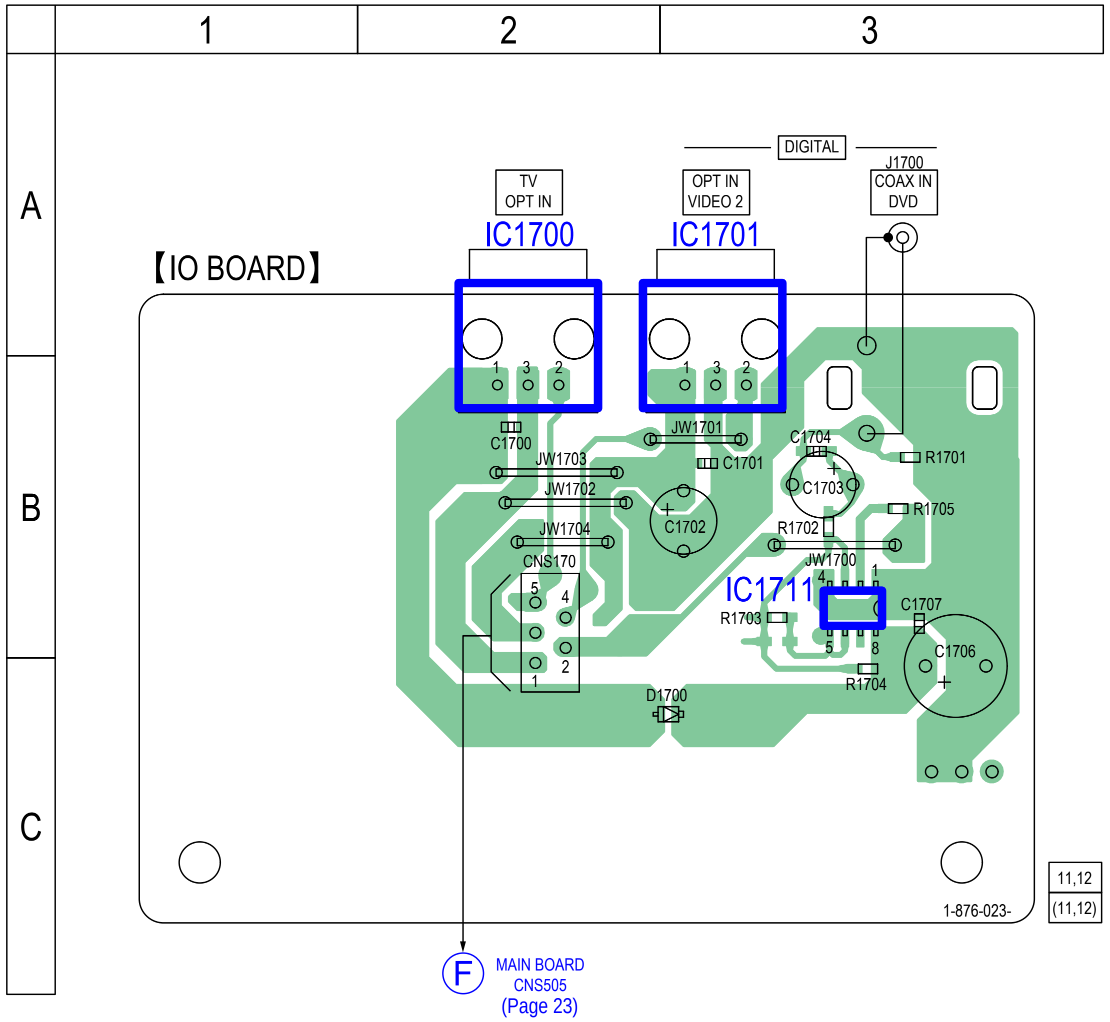
• **Waveforms**

– MAIN Board – – HDMI Board – – DISPLAY Board –

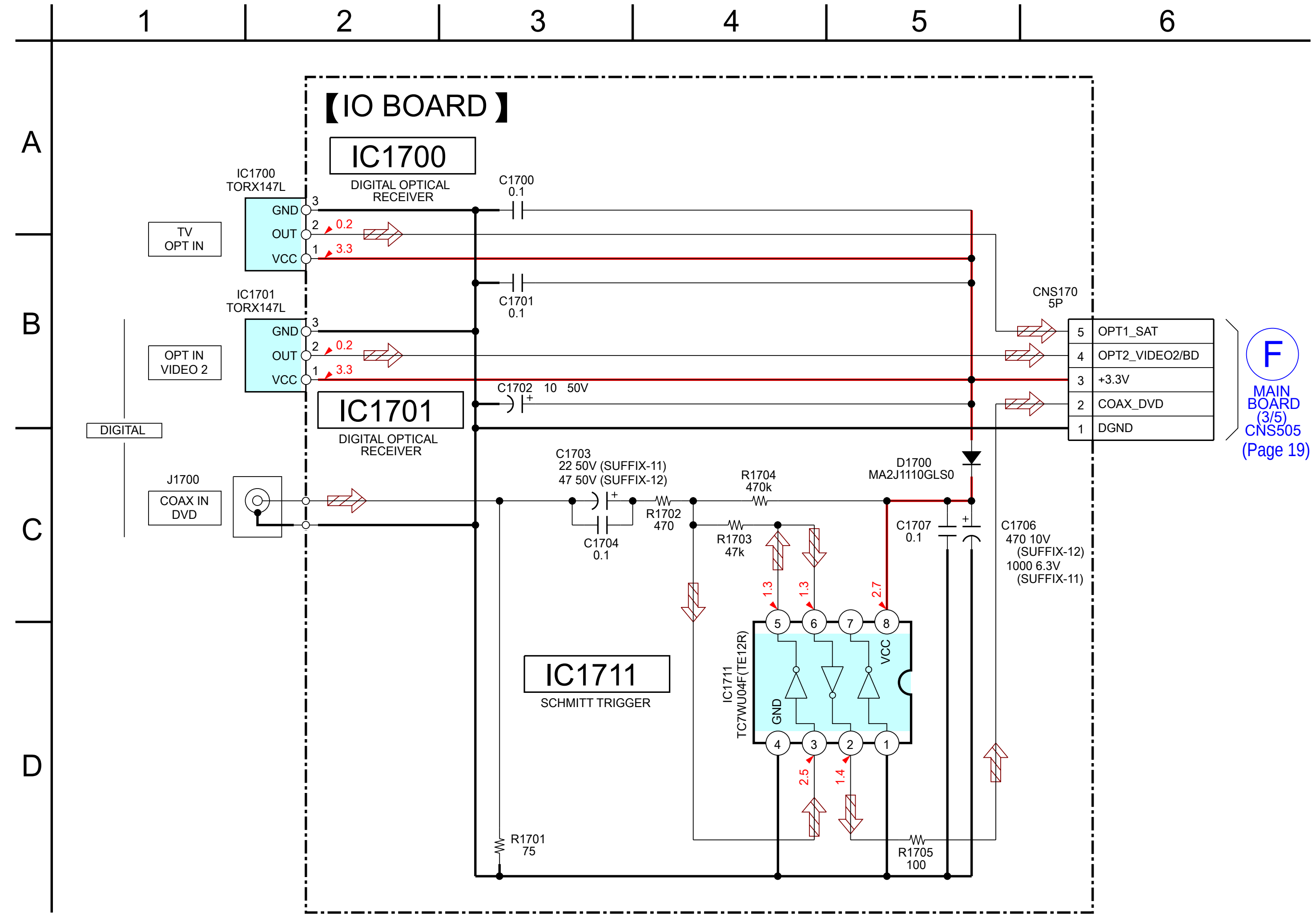


6-20. PRINTED WIRING BOARD - IO Board -

• See page 16 for Circuit Boards Location. • : Uses unleaded solder.



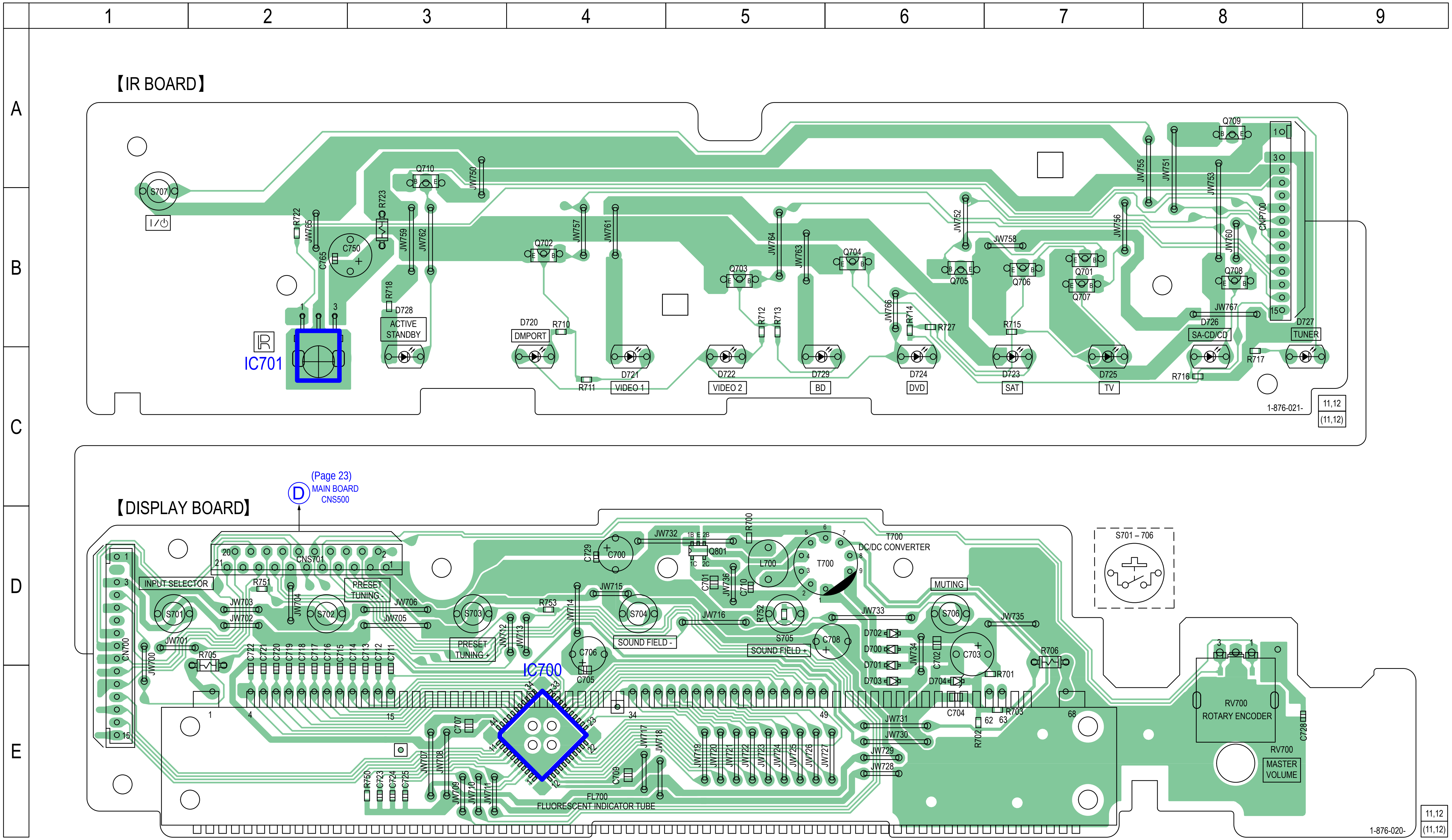
6-21. SCHEMATIC DIAGRAM - IO Board -



Note: Refer to the Servicing Notes "DCAC, IO AND SMPS BOARDS DISCRIMINATION" (page 2) for how to distinguish Suffix-11 and Suffix-12.

6-22. PRINTED WIRING BOARDS - PANEL Section -

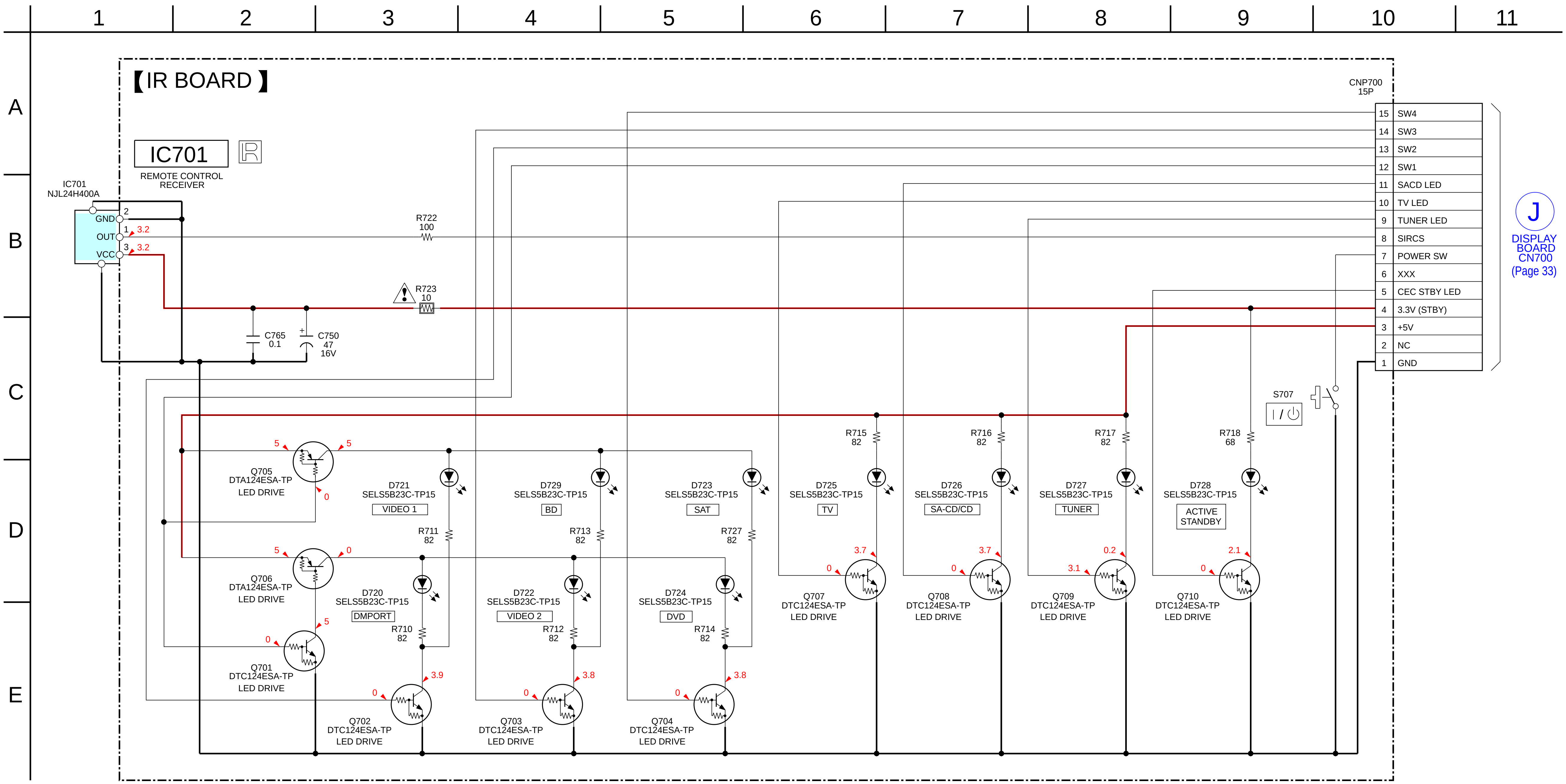
• See page 16 for Circuit Boards Location. • : Uses unleaded solder.



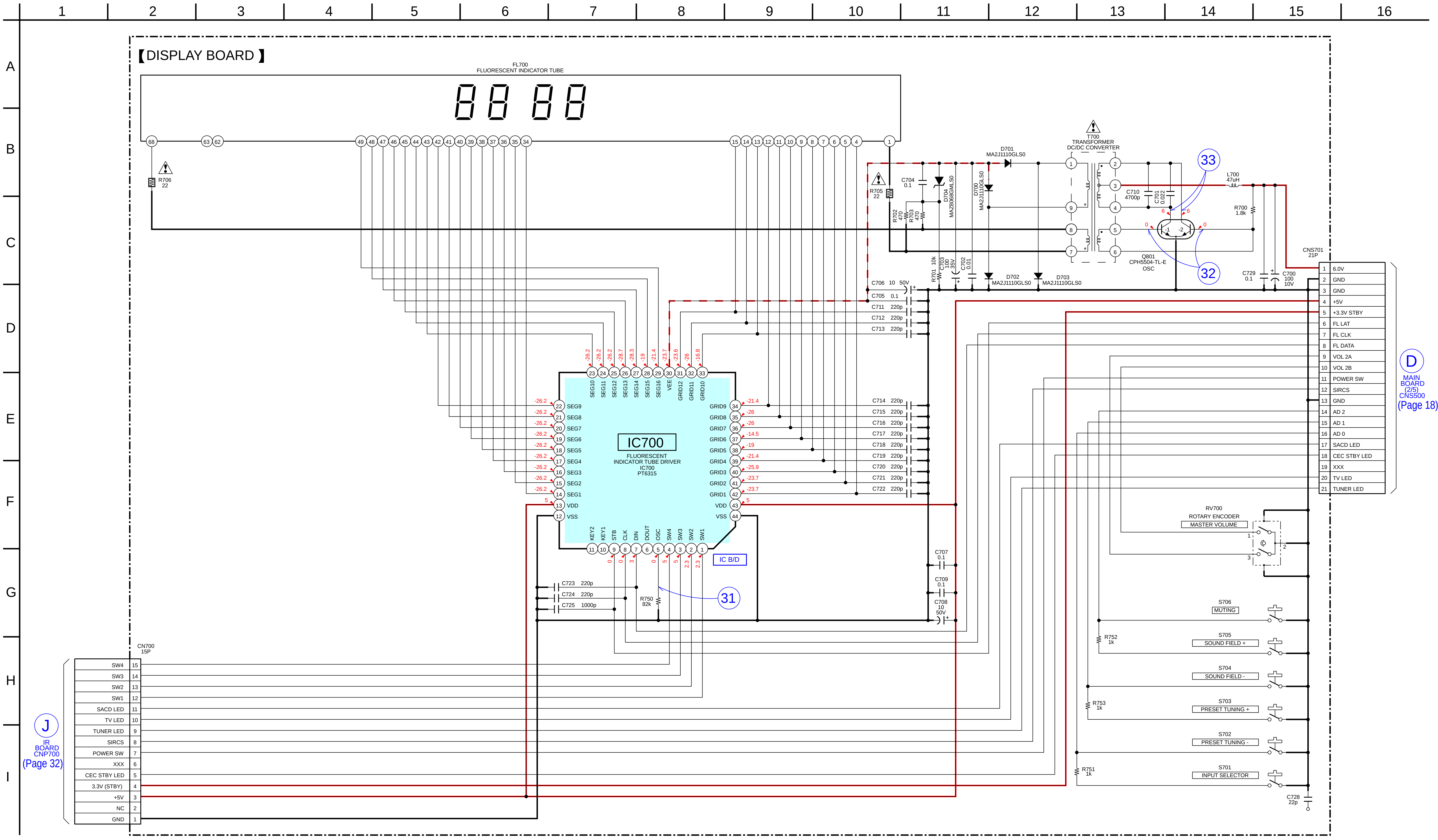
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D700	D-6	D720	C-4	D725	C-7			Q702	B-4	Q707	B-7
D701	E-6	D721	C-4	D726	C-8	IC700	E-4	Q703	B-5	Q708	B-8
D702	D-6	D722	C-5	D727	C-9	IC701	C-2	Q704	B-6	Q709	A-8
D703	E-6	D723	C-7	D728	C-3			Q705	B-6	Q710	A-3
D704	E-6	D724	C-6	D729	C-5	Q701	B-7	Q706	B-7	Q801	D-5

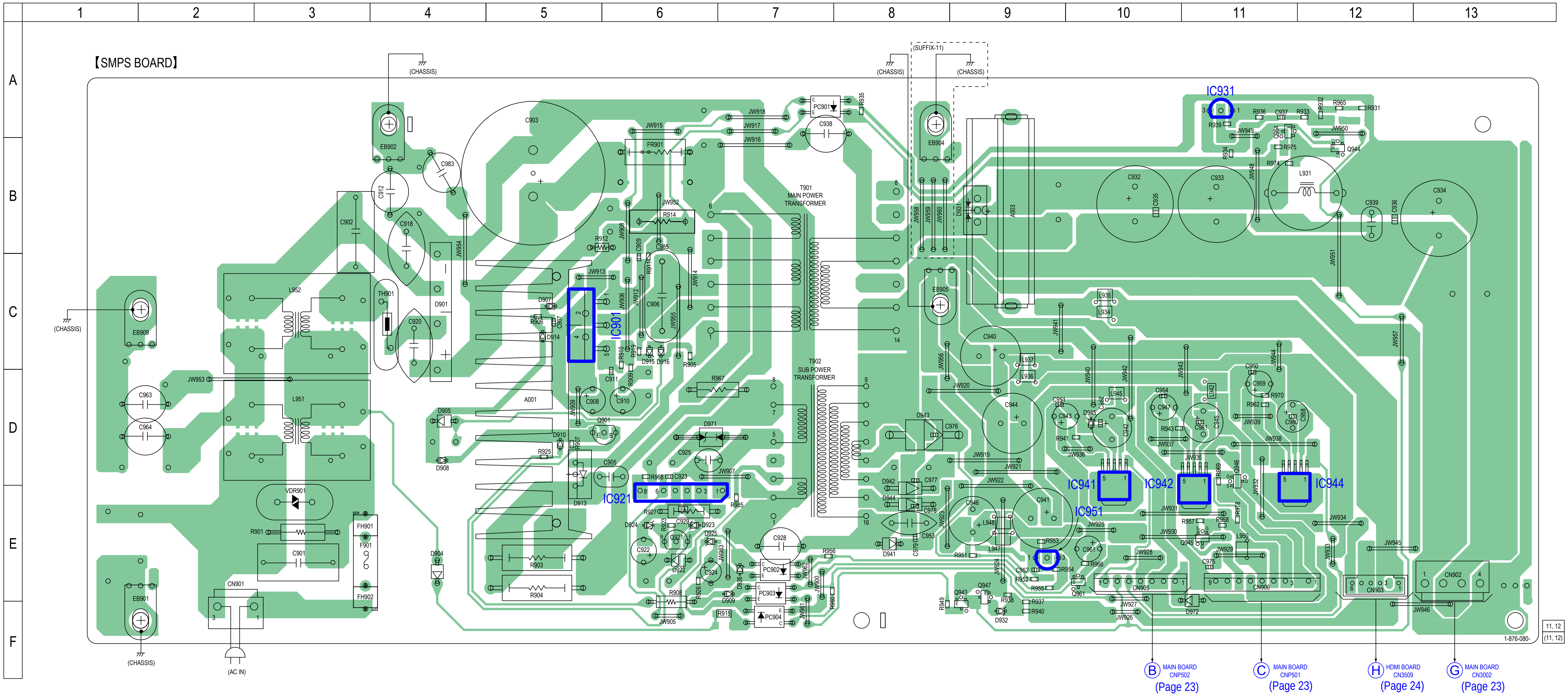
6-23. SCHEMATIC DIAGRAM - IR Board -



6-24. SCHEMATIC DIAGRAM - DISPLAY Board - • See page 29 for Waveforms. • See page 36 for IC Block Diagrams.



6-25. PRINTED WIRING BOARD - SMPS Board - • See page 16 for Circuit Boards Location. • LF : Uses unleaded solder.

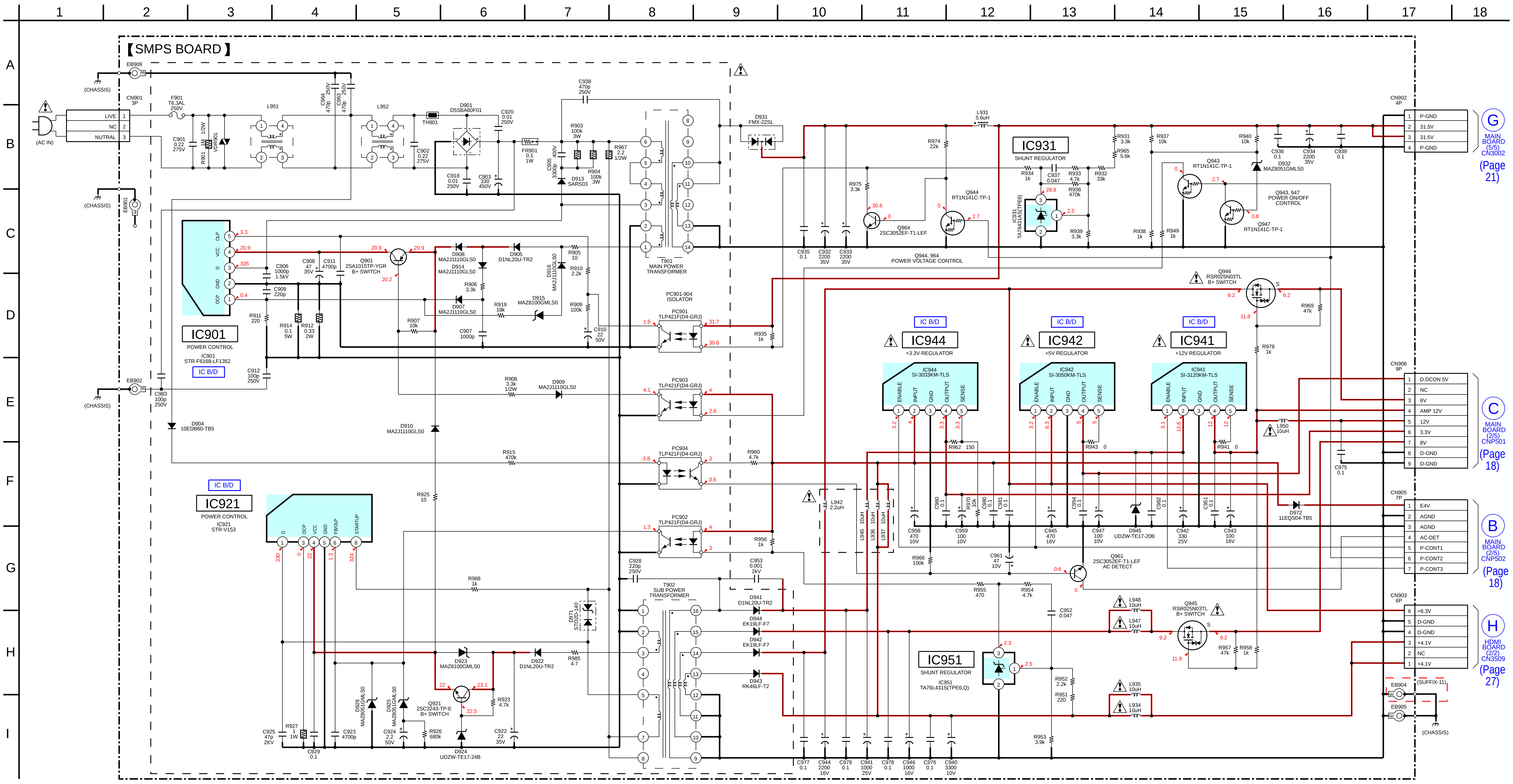


Note: Refer to the Servicing Notes “DCAC, IO AND SMPS BOARDS DISCRIMINATION” (page 2) for how to distinguish Suffix-11 and Suffix-12.

• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D901	C-4	D909	E-7	D916	C-6	D926	E-7	D943	D-8			IC942	E-11	PC902	E-7	Q921	E-6	Q947	E-9
D904	E-4	D910	D-5	D922	E-6	D931	B-9	D944	E-8	IC901	C-5	IC944	E-11	PC903	E-7	Q943	F-9	Q961	E-10
D905	D-4	D913	D-5	D923	E-6	D932	F-9	D945	D-10	IC921	E-6	IC951	E-9	PC904	F-7	Q944	B-12	Q964	A-11
D907	C-5	D914	C-5	D924	E-6	D941	E-8	D971	D-6	IC931	A-11					Q945	E-11		
D908	D-4	D915	C-6	D925	E-6	D942	E-8	D972	F-11	IC941	E-10	PC901	A-7	Q901	D-6	Q946	D-11		

6-26. SCHEMATIC DIAGRAM - SMPS Board - • See page 36 for IC Block Diagrams.

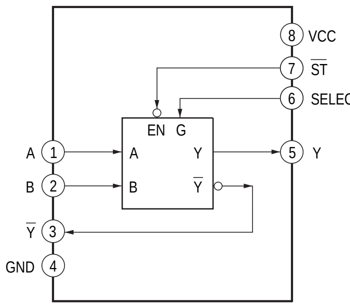


Note: Refer to the Servicing Notes "DCAC, IO AND SMPS BOARDS DISCRIMINATION" (page 2) for how to distinguish Suffix-11 and Suffix-12.

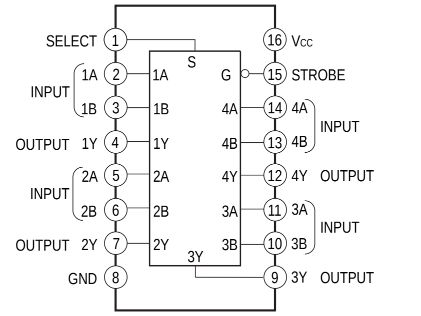
• **IC Block Diagrams**

– MAIN Board –

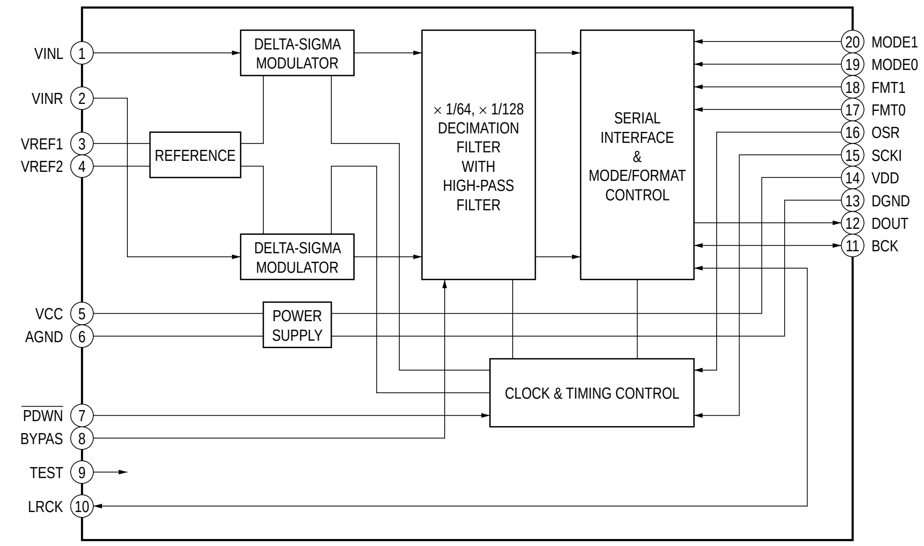
IC1003, 1017 TC7WH157FK (TE85R)



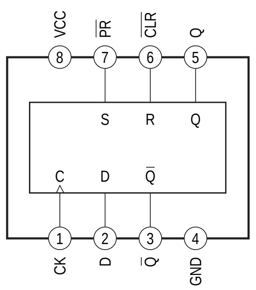
IC1008, 1900 TC74VHC157FT (EKJ)



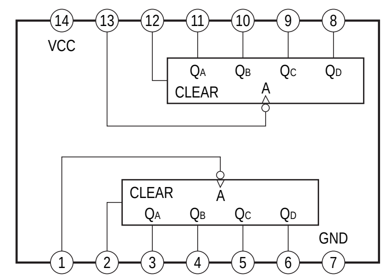
IC1602 PCM1803DBR



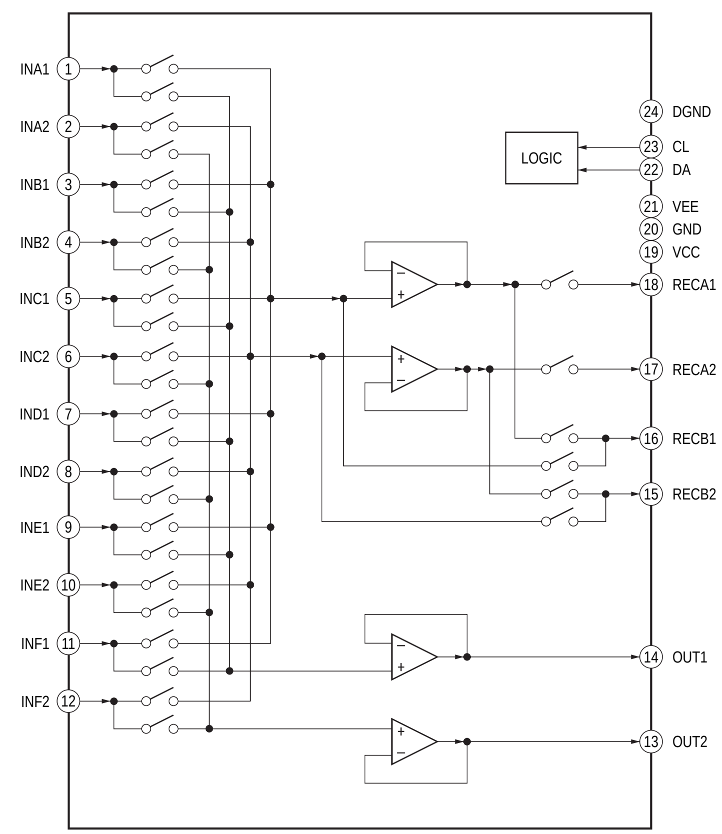
IC1014 TC7WH74FU (TE12R)



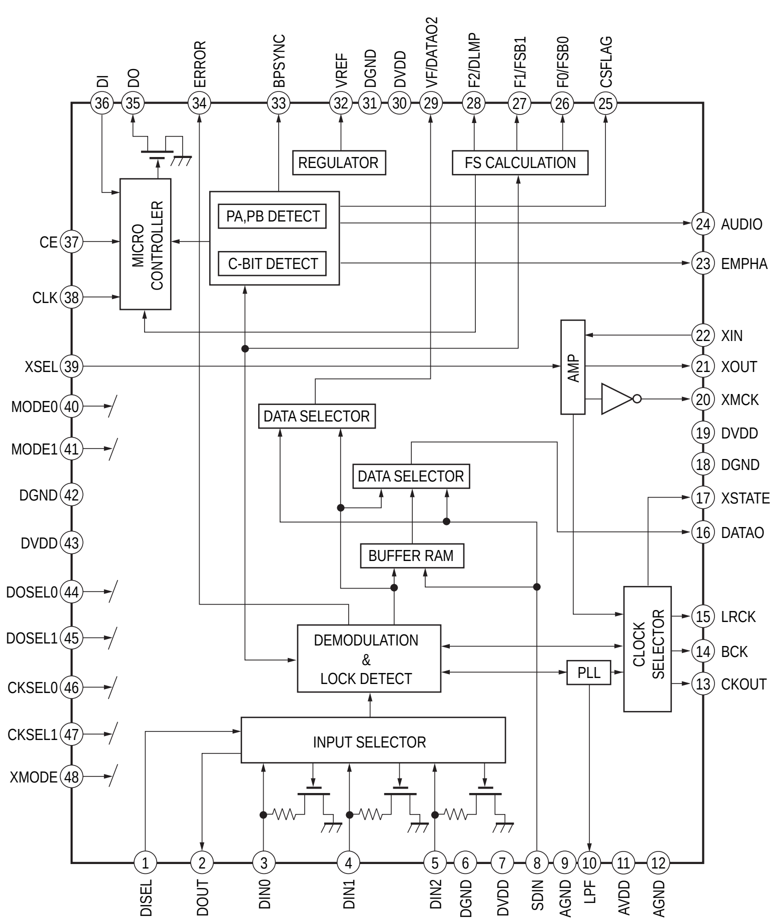
IC1016 TC74VHC393FT (EL)



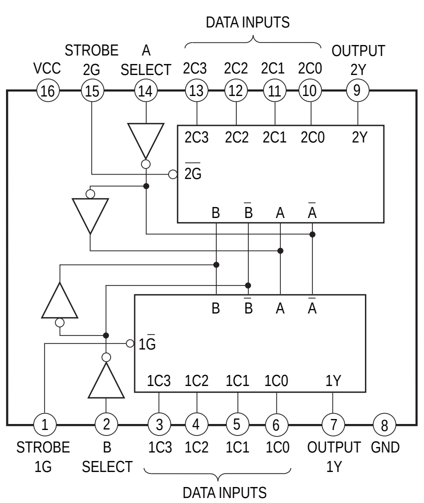
IC1710 BD3842FS-FD2



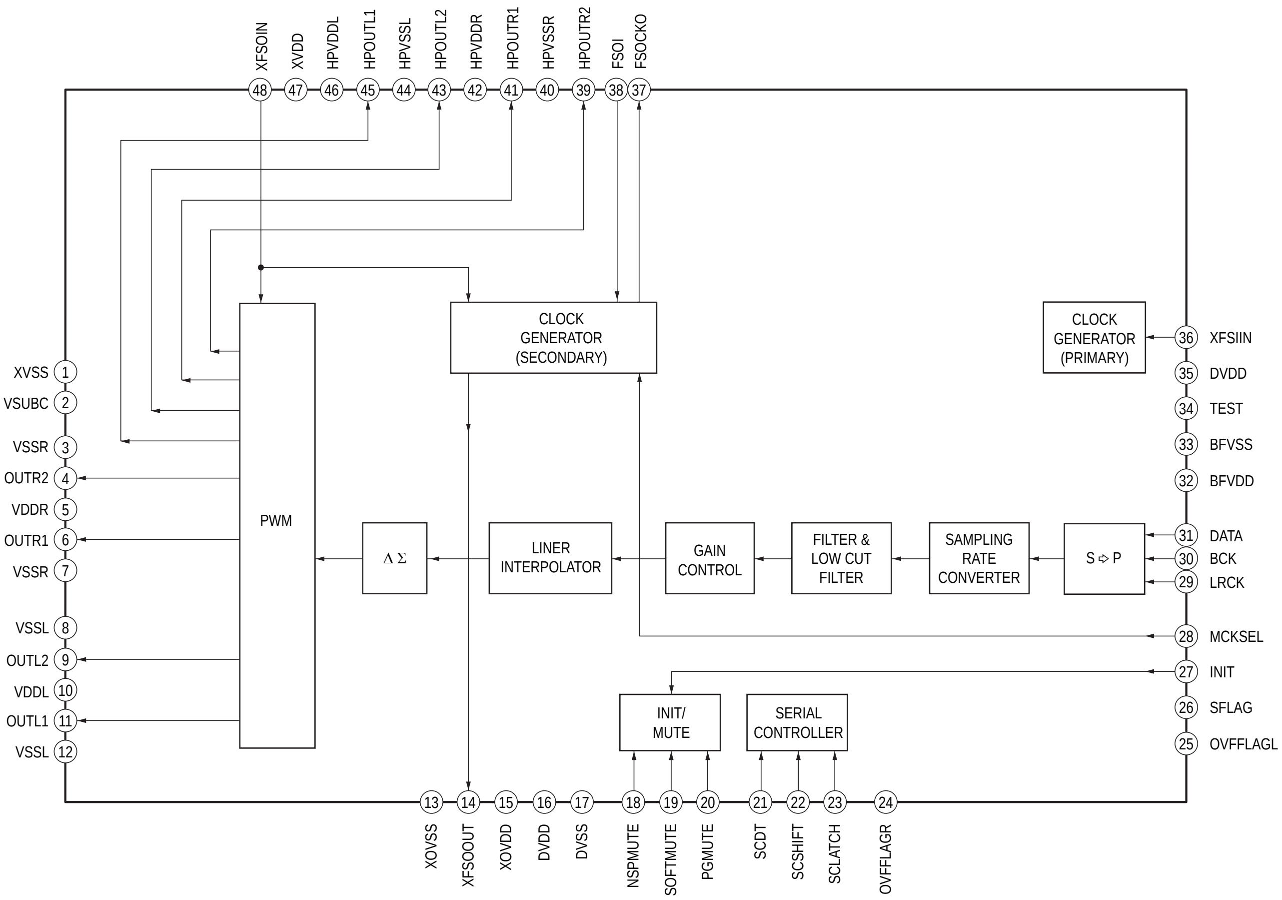
IC1301 LC890561W



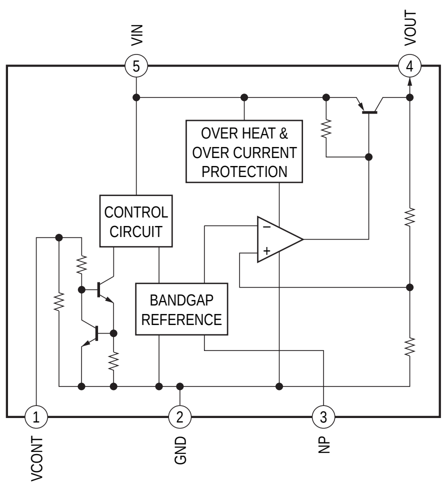
IC1302 TC74ACT153F (EL)



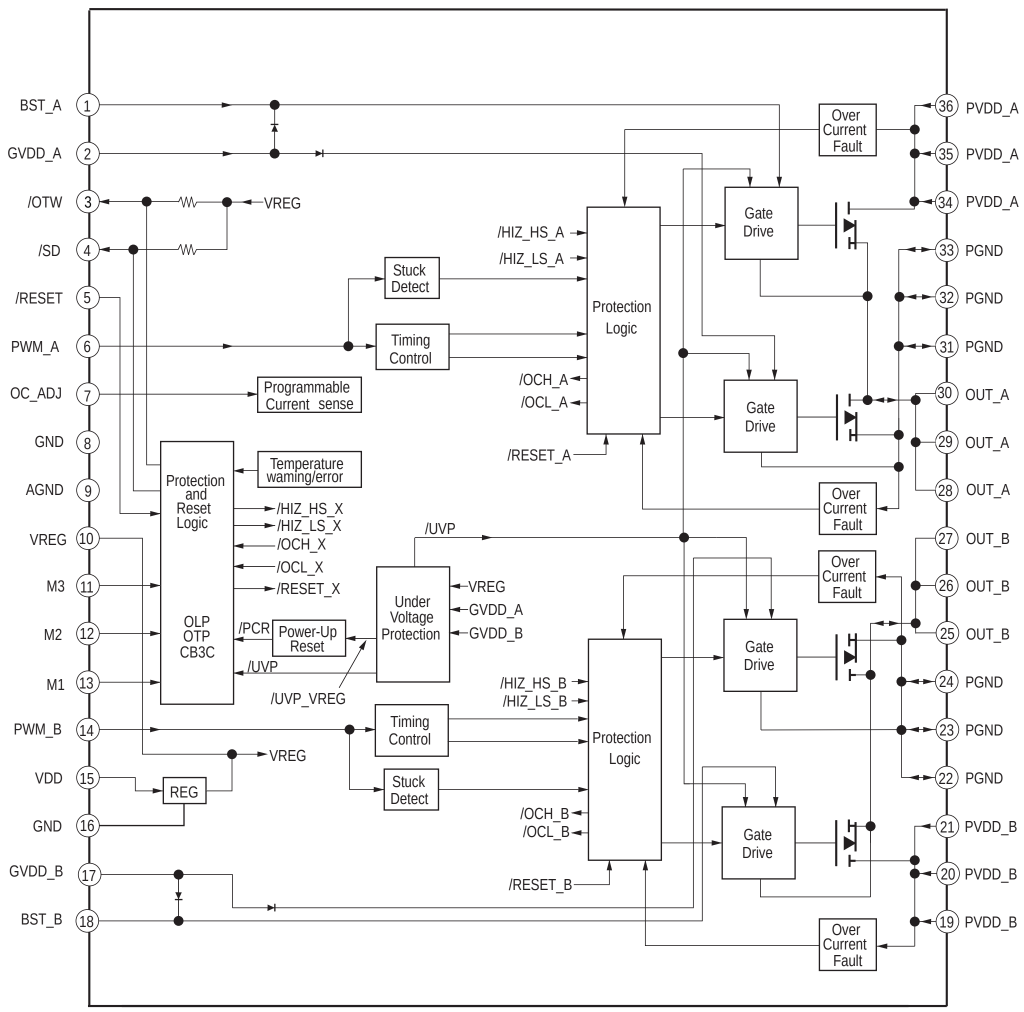
IC3010, 3020, 3030 CXD9876R



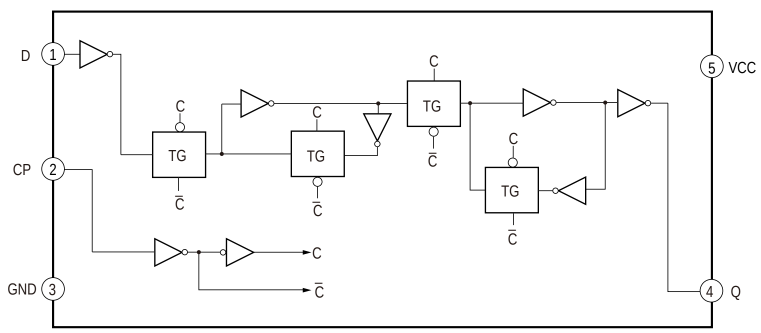
IC3050 TK11118CSCL-G



IC3100, 3150, 3200, 3250, 3300, 3400, 3500 CXD9883AM

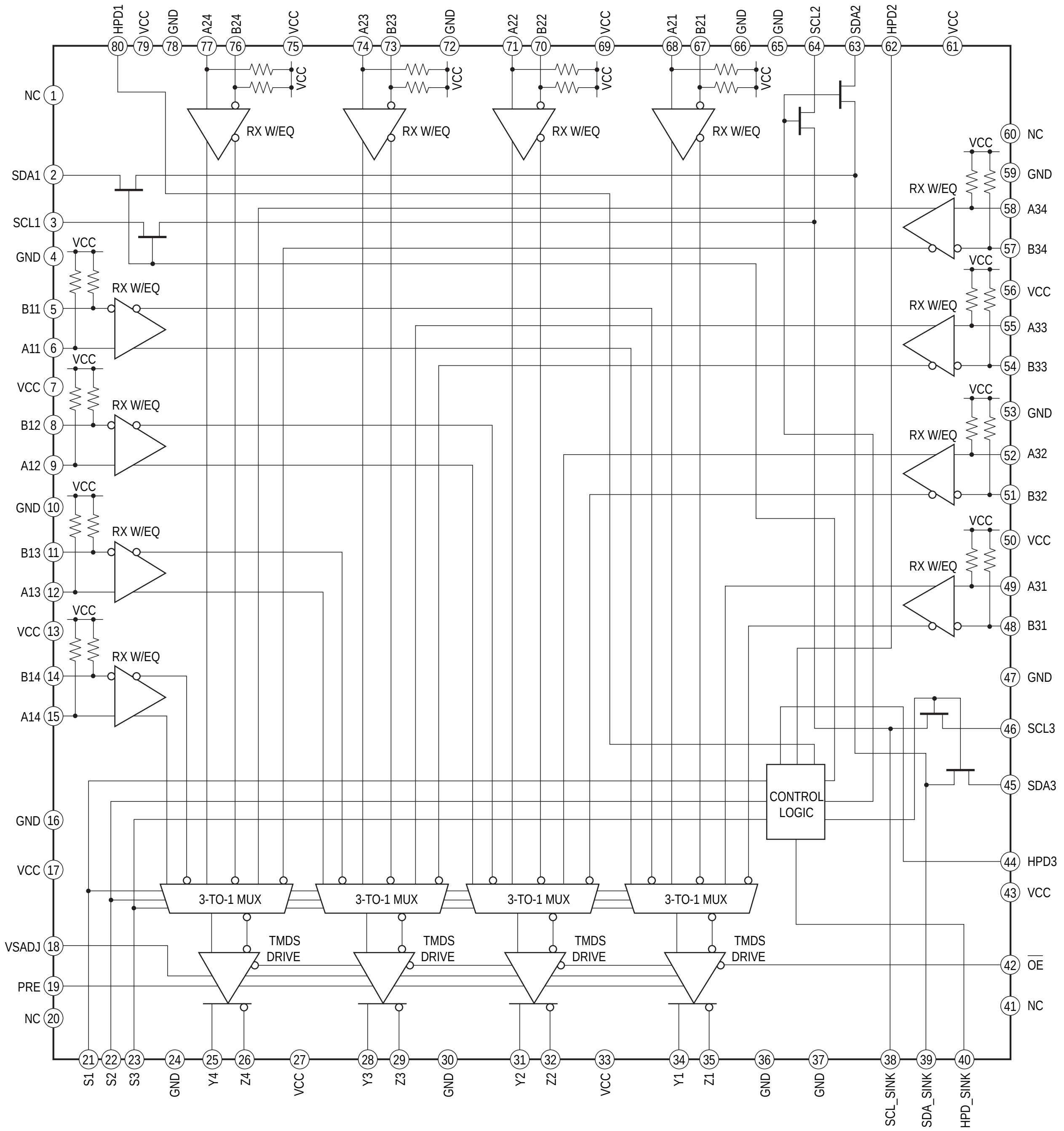


IC3950 74LVC1G79GW-125

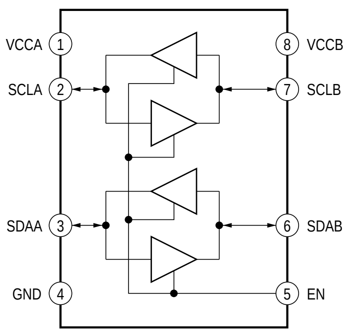


– HDMI Board –

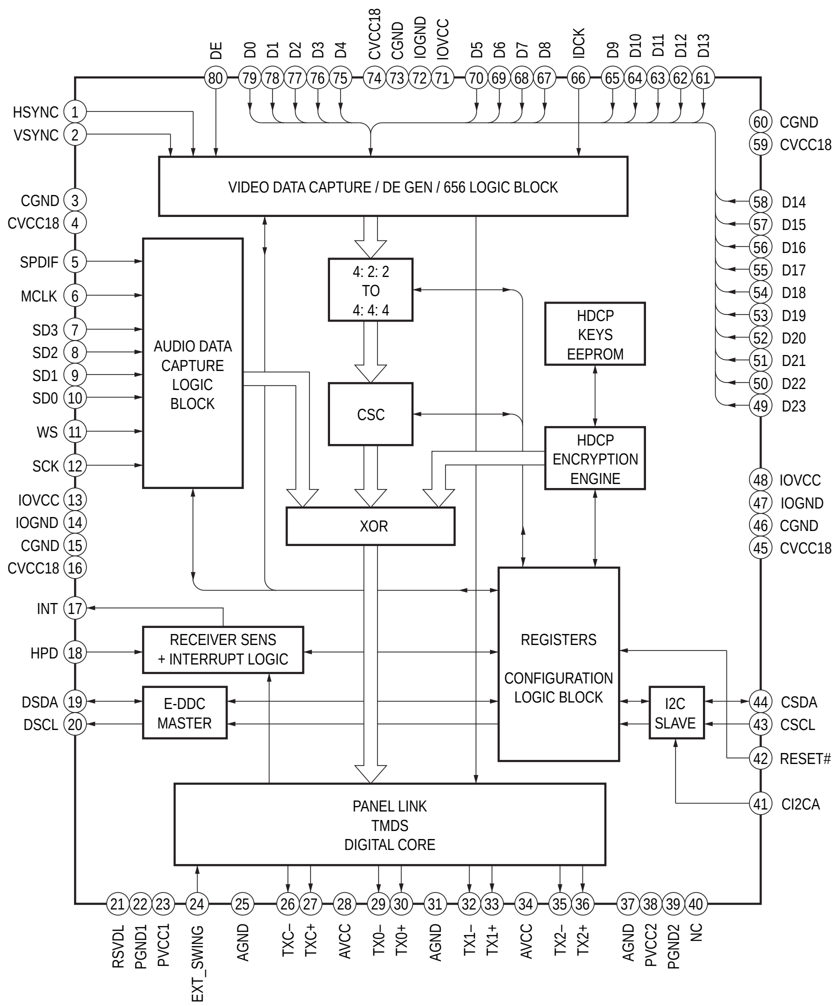
IC3503 TMDS341APFCR



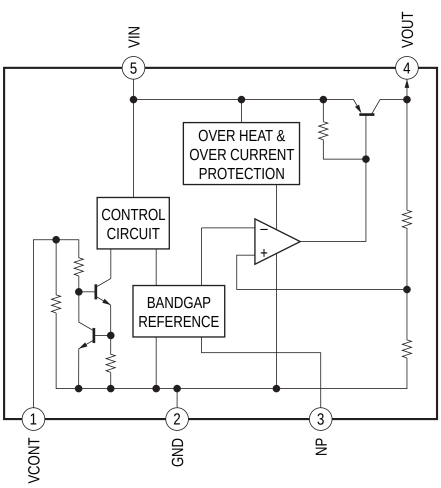
IC3507 PCA9517DP.118



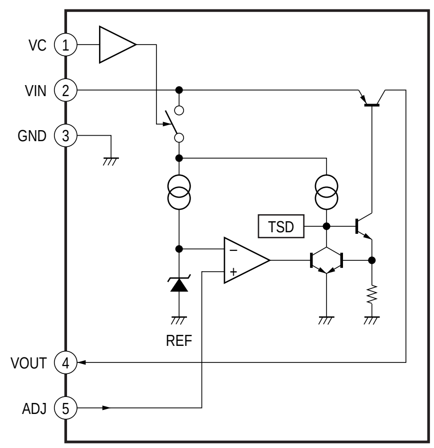
IC3513 SII9030CTU-7



IC3516 TK11150CSCL-G

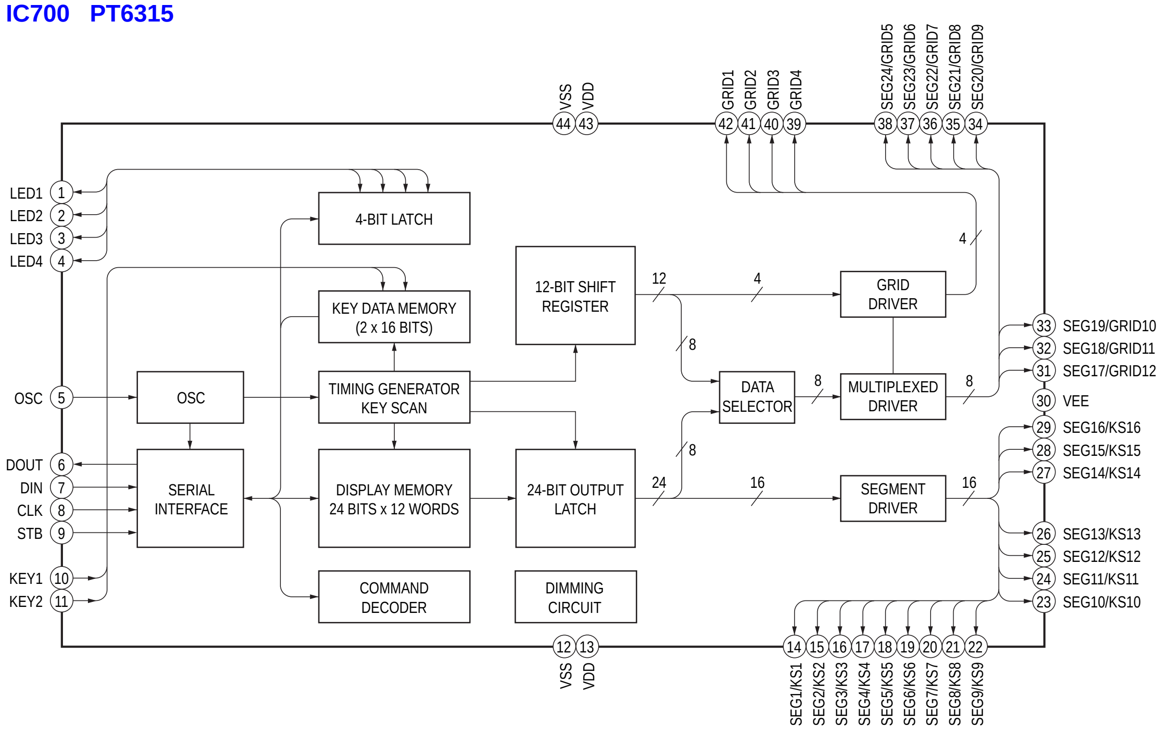


IC3526, 3527 SI-3033KM-TLS



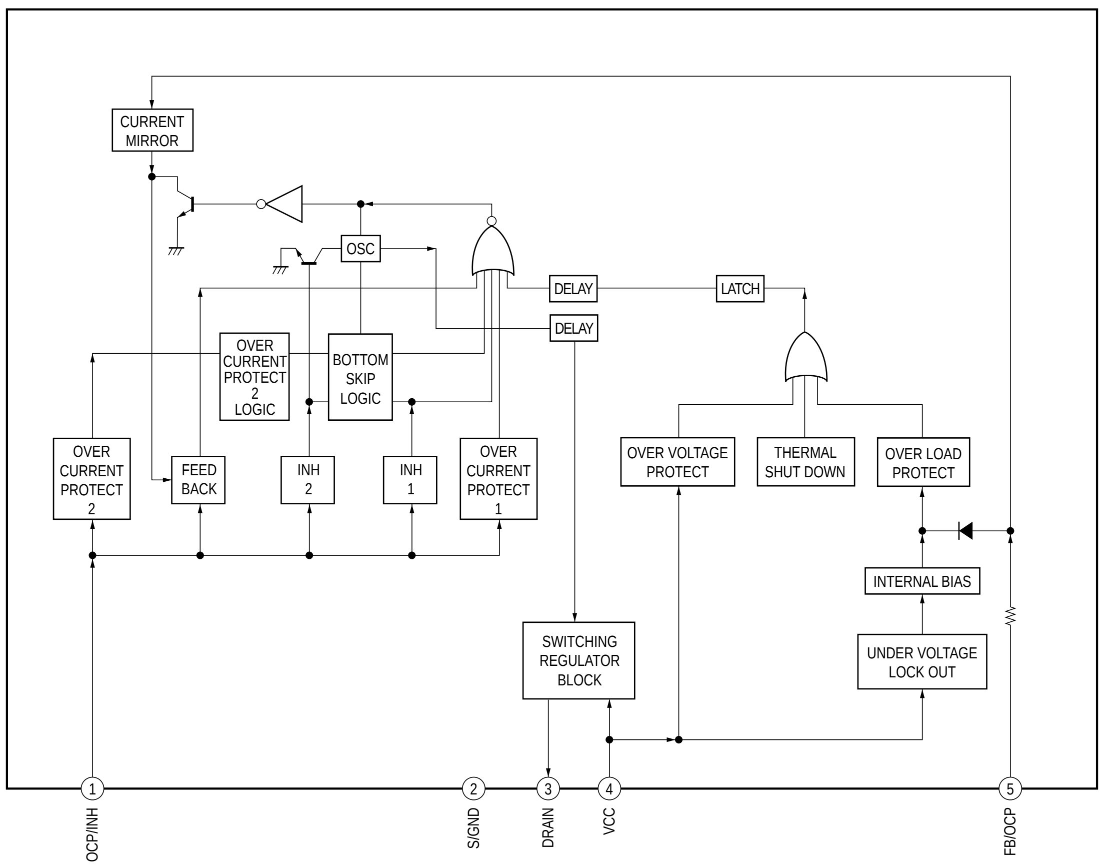
– DISPLAY Board –

IC700 PT6315

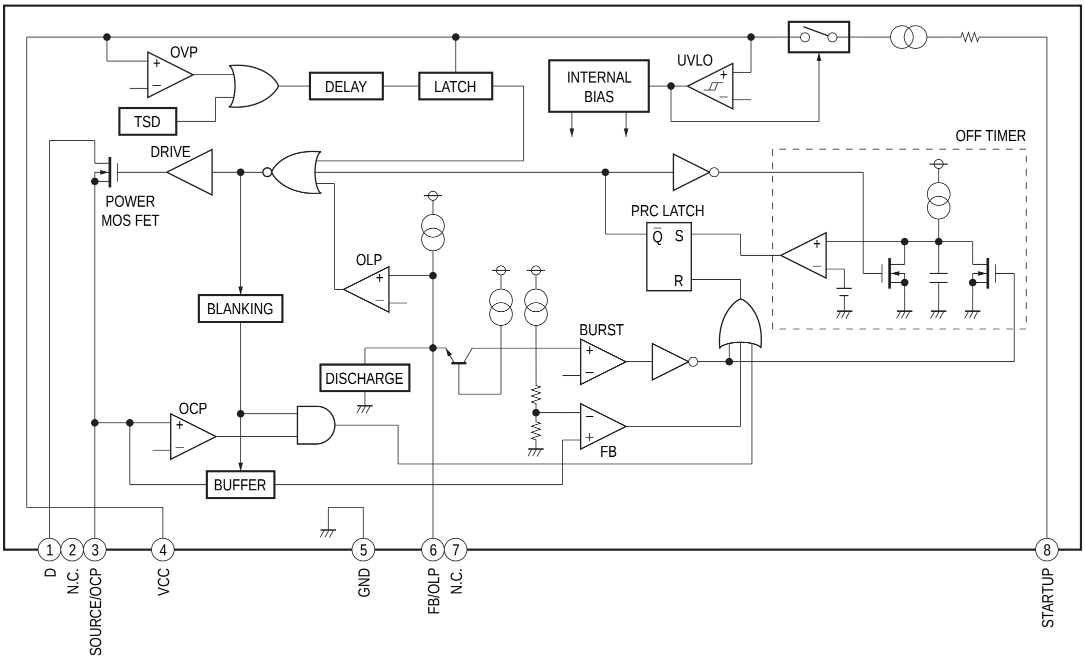


– SMPS Board –

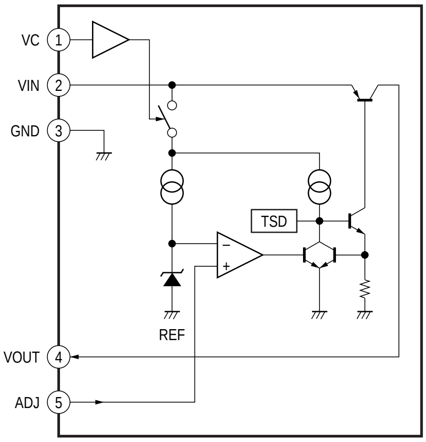
IC901 STR-F6168-LF1352



IC921 STR-V153



IC941 SI-3120KM-TLS
IC942 SI-3050KM-TLS
IC944 SI-3033KM-TLS



- **IC Pin Function Description**

MAIN BOARD IC1009 ADSST-AVR-1115 (DSP)

Pin No.	Pin Name	I/O	Description
1	VDDINT	-	Power supply terminal (+1.2V)
2, 3	CLKCFG0, CLKCFG1	I	Clock frequency setting terminal
4, 5	BOOTCFG0, BOOTCFG1	I	Boot mode setting terminal for DSP
6	GND	-	Ground terminal
7	VDDEXT	-	Power supply terminal (+3.3V)
8	GND	-	Ground terminal
9	VDDINT	-	Power supply terminal (+1.2V)
10	GND	-	Ground terminal
11	VDDINT	-	Power supply terminal (+1.2V)
12	GND	-	Ground terminal
13	VDDINT	-	Power supply terminal (+1.2V)
14	GND	-	Ground terminal
15	FLOG1	O	Interrupt status output to the system controller
16	FLOG0	I	PLL lock error signal and data error flag input terminal
17	AD7	I/O	Two-way data bus and address signal output with S-RAM Not used
18	GND	-	Ground terminal
19	VDDINT	-	Power supply terminal (+1.2V)
20	GND	-	Ground terminal
21	VDDEXT	-	Power supply terminal (+3.3V)
22	GND	-	Ground terminal
23	VDDINT	-	Power supply terminal (+1.2V)
24 to 26	AD6 to AD4	I/O	Two-way data bus and address signal output with S-RAM Not used
27	VDDINT	-	Power supply terminal (+1.2V)
28	GND	-	Ground terminal
29, 30	AD3, AD2	I/O	Two-way data bus and address signal output with S-RAM Not used
31	VDDEXT	-	Power supply terminal (+3.3V)
32	GND	-	Ground terminal
33, 34	AD1, AD0	I/O	Two-way data bus and address signal output with S-RAM Not used
35	XWR	O	Data write enable signal output to the S-RAM "L": active Not used
36, 37	VDDINT	-	Power supply terminal (+1.2V)
38	GND	-	Ground terminal
39	XRD	O	Read strobe signal output to the S-RAM "L": active Not used
40	ALE	O	Address latch enable signal output terminal Not used
41 to 43	AD15 to AD13	I/O	Two-way data bus and address signal output with S-RAM Not used
44	GND	-	Ground terminal
45	VDDEXT	-	Power supply terminal (+3.3V)
46	AD12	I/O	Two-way data bus and address signal output with S-RAM Not used
47	VDDINT	-	Power supply terminal (+1.2V)
48	GND	-	Ground terminal
49 to 52	AD11 to AD8	I/O	Two-way data bus and address signal output with S-RAM Not used
53	A16	O	Address signal output to S-RAM Not used
54	VDDINT	-	Power supply terminal (+1.2V)
55	GND	-	Ground terminal
56, 57	A17, A18	O	Address signal output to S-RAM Not used
58	GND	-	Ground terminal
59	VDDEXT	-	Power supply terminal (+3.3V)
60	VDDINT	-	Power supply terminal (+1.2V)
61	GND	-	Ground terminal
62	PF_CE	I/O	Chip enable signal input/output terminal Not used
63	SPI_MAS	O	Master/slave selection signal output terminal "L": DSP is master
64	DPSOA	O	PCM audio signal (front L/R) output terminal
65	DPSOB	O	PCM audio signal (surround L/R) output terminal
66	VDDINT	-	Power supply terminal (+1.2V)

Pin No.	Pin Name	I/O	Description
67	GND	-	Ground terminal
68	VDDINT	-	Power supply terminal (+1.2V)
69	GND	-	Ground terminal
70	DPSOC	O	PCM audio signal (center, sub woofer) output terminal
71	DPSOD	O	PCM audio signal (surround back L/R) output terminal Not used
72	VDDINT	-	Power supply terminal (+1.2V)
73	VDDEXT	-	Power supply terminal (+3.3V)
74	GND	-	Ground terminal
75	VDDINT	-	Power supply terminal (+1.2V)
76	GND	-	Ground terminal
77	DPSOE	O	PCM audio signal output terminal Not used
78	DPSIA	I	PCM audio signal (digital input) input terminal
79	DPSIB	I	PCM audio signal (front L/R) input terminal
80	DPSIC	I	PCM audio signal (surround L/R) input terminal
81	DPSID	I	PCM audio signal (center, sub woofer) input terminal
82	DPSIE	I	PCM audio signal (surround back L/R) input terminal
83	VDDINT	-	Power supply terminal (+1.2V)
84, 85	GND	-	Ground terminal
86	DPDVLRCK	O	L/R sampling clock signal output terminal for PCM audio output
87	DPDVBCK	O	Bit clock signal output terminal for PCM audio output
88	DPLRCK	I	L/R sampling clock signal input terminal for PCM audio input
89	DPBCK	I	Bit clock signal input terminal for PCM audio input
90	VDDINT	-	Power supply terminal (+1.2V)
91, 92	GND	-	Ground terminal
93	VDDEXT	-	Power supply terminal (+3.3V)
94	DPFSCK	I	Master clock signal input terminal
95	GND	-	Ground terminal
96	VDDINT	-	Power supply terminal (+1.2V)
97	XNONAUDIO	I	Digital input signal switch control signal input terminal
98	XSF_CE	O	Chip enable signal output to the flash memory
99	VDDINT	-	Power supply terminal (+1.2V)
100	GND	-	Ground terminal
101	VDDINT	-	Power supply terminal (+1.2V)
102	GND	-	Ground terminal
103	VDDINT	-	Power supply terminal (+1.2V)
104	GND	-	Ground terminal
105	VDDINT	-	Power supply terminal (+1.2V)
106	GND	-	Ground terminal
107, 108	VDDINT	-	Power supply terminal (+1.2V)
109	GND	-	Ground terminal
110	VDDINT	-	Power supply terminal (+1.2V)
111	GND	-	Ground terminal
112	VDDINT	-	Power supply terminal (+1.2V)
113	GND	-	Ground terminal
114	VDDINT	-	Power supply terminal (+1.2V)
115	GND	-	Ground terminal
116	VDDEXT	-	Power supply terminal (+3.3V)
117	GND	-	Ground terminal
118	VDDINT	-	Power supply terminal (+1.2V)
119	GND	-	Ground terminal
120	VDDINT	-	Power supply terminal (+1.2V)
121	XRESET	I	System reset signal input from the system controller
122	XSPIDS	I	Serial data latch pulse signal input from the system controller
123	GND	-	Ground terminal
124	VDDINT	-	Power supply terminal (+1.2V)
125	SPICLK	I/O	Serial data transfer clock signal input/output with the flash memory

Pin No.	Pin Name	I/O	Description
126	MISO	I/O	When DSP is master: Serial data input from the flash memory When DSP is slave: Serial data output to the main system controller
127	MOSI	I/O	When DSP is master: Serial data output to the flash memory When DSP is slave: Serial data input from the main system controller
128	GND	-	Ground terminal
129	VDDINT	-	Power supply terminal (+1.2V)
130	VDDEXT	-	Power supply terminal (+3.3V)
131	AVDD	-	Power supply terminal (+3.3V)
132	AVSS	-	Ground terminal
133	GND	-	Ground terminal
134	CLKOUT	-	Not used
135	XEMU	-	Not used
136	TDO	-	Not used
137	TDI	-	Not used
138	CTRST	-	Not used
139	TCK	-	Not used
140	TMS	-	Not used
141	GND	-	Ground terminal
142	CLKIN	I	System clock input terminal (25 MHz)
143	XTAL	O	System clock output terminal (25 MHz)
144	VDDEXT	-	Power supply terminal (+3.3V)

MAIN BOARD IC1018 MB91353APMT-G-119E1 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	SOFT_MUTE	O	Soft muting on/off control signal output to the stream processor "L": muting on
2	SHIFT	O	Shift clock signal output to the stream processor
3	DCAC ON/OFF	O	Mic muting on/off control signal output terminal "L": muting on
4	POWER_RESET	O	Reset signal output to the digital power amplifier "L": reset
5 to 7	LAT1 to LAT3	O	Serial data latch pulse signal output to the stream processor
8, 9	NO USE	-	Not used
10	BD3842_CLK	O	Serial data transfer clock signal output to the analog audio input selector
11	BD3842_DA	O	Serial data output to the analog audio input selector
12	POWER SD	I	Shut down signal input from the digital power amplifier "L": shut down
13	SCDT	O	Serial data output to the stream processor
14	INT	O	Reset signal output to the stream processor "L": reset
15	V_ENCODER(A)_ DOWN	I	Jog dial pulse input from the rotary encoder (for MASTER VOLUME) (A phase input)
16	V_ENCODER(B)_UP	I	Jog dial pulse input from the rotary encoder (for MASTER VOLUME) (B phase input)
17	OVF	I	Over flow detection signal input from the stream processor "L": over flow
18	VSS	-	Ground terminal
19	VCC	-	Power supply terminal (+3.3V)
20	OVFW	I	Over flow detection signal input from the stream processor "L": over flow
21	NO USE	-	Not used
22	HDMI SELECT	O	Source selection signal output terminal
23	NO USE	-	Not used
24	DC_DET	I	DC shut down signal input terminal "L": shut down
25	NO USE	-	Not used
26	TUN_LAT	O	Latch control signal output to the tuner (FM/AM)
27	TUN_DO	I	PLL serial data input from the tuner (FM/AM)
28	NO USE	-	Not used
29	CEC OUT	O	CEC serial data output to the HDMI OUT connector
30	HDMI_ERR	I	Error mute signal input from the HDMI section
31	TUNER LED	O	LED drive signal output of the TUNER indicator "H": LED on
32	TV LED	O	LED drive signal output of the TV indicator "H": LED on
33	SACD LED	O	LED drive signal output of the SA-CD/CD indicator "H": LED on
34	HDMI REG CTL	O	Power on/off control signal output terminal for the HDMI section "H": power on
35	TC74HC135_B	O	Data selection signal output terminal
36	TC74HC135_A	O	Data selection signal output terminal
37	DIR XSTATE	I	Source clock selection monitor input from the digital audio interface receiver
38	DIR_XMODE (RESET)	O	System reset signal output to the digital audio interface receiver "L": reset
39	DIR_CK_SEL	O	Output clock selection signal output to the digital audio interface receiver
40	VSS	-	Ground terminal
41, 42	NO USE	-	Not used
43	VSS	-	Ground terminal
44	VCC	-	Power supply terminal (+3.3V)
45	DIR_CLK	O	Serial data transfer clock signal output to the digital audio interface receiver
46	DIR_CE(LAT)	O	Chip enable signal output to the digital audio interface receiver
47	DIR D1	O	Serial data output to the digital audio interface receiver
48	DIR D0	I	Serial data input from the digital audio interface receiver
49	DIR ERROR	I	PLL lock error signal and data error flag input from the digital audio interface receiver
50	FSRATE	I	Serial data input terminal
51	NMIX	I	Non Maskable Interrupt signal input terminal
52	MD2	I	CPU operation mode setting signal input terminal "H": flash programming
53, 54	MD1, MD0	I	CPU operation mode setting signal input terminal "L": flash programming Not used
55	INIT	I	Reset signal input terminal
56	VCC	-	Power supply terminal (+3.3V)
57	12.5MHz	O	Main system clock output terminal (12.5 MHz)
58	12.5MHz	I	Main system clock input terminal (12.5 MHz)
59	VSS	-	Ground terminal

Pin No.	Pin Name	I/O	Description
60	X0A	I	Low-speed clock signal input terminal Not used
61	X1A	O	Low-speed clock signal output terminal Not used
62	RST TRI	O	Reset signal output to the reset signal buffer
63	DIR DATA0	I	Serial data input from the digital audio interface receiver
64	DSP SPDIF (LAT)	O	Serial data latch pulse signal output to the DSP
65	DSP RESET	O	System reset signal output to the DSP
66	SF CPU CE	O	Chip enable signal output for the serial flash
67	SF DSP MAS	I	Master/slave selection signal input from the DSP "H": DSP is master
68	FL LAT	O	Strobe signal output to the fluorescent indicator tube
69	TUNER CLK	O	PLL serial data transfer clock signal output to the tuner (FM/AM)
70, 71	NO USE	-	Not used
72	TUNER DATA	O	PLL serial data output to the tuner (FM/AM)
73	ADC RESET	O	System reset signal output to the A/D converter "L": reset
74	FL DATA	O	Serial data output to the fluorescent indicator tube
75	FL CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
76	VSS	-	Ground terminal
77	VCC	-	Power supply terminal (+3.3V)
78	EEPROM CLK	O	Serial data transfer clock signal output to the EEPROM
79	PCONT_3	O	Power on/off control signal output terminal "H": power on
80	PCONT_2	O	Power on/off control signal output terminal "H": power on
81	STOP	I	AC off detection signal input terminal "L": AC off
82	SIRCS IN	I	SIRCS signal input from the remote control receiver
83	DSP INT	I	Interrupt status input from the DSP
84	RDS CLK	I	RDS serial data transfer clock signal input from the tuner (FM/AM)
85	POWER KEY	I	Power key input terminal
86	RDS DATA	I	RDS serial data input from the tuner (FM/AM)
87	PCONT_1	O	Power on/off control signal output terminal "H": power on
88	CEC IN	I	CEC serial data input from the HDMI OUT connector
89	DSP MISO	I	Serial data input from the DSP or serial flash
90	DSP MOSI	O	Serial data output to the DSP or serial flash
91	DSP SPI CLK	O	Serial data transfer clock signal output to the DSP
92	HDMI (M-IN-HDMI-OUT)	I	UART data input from the HDMI controller
93	HDMI (M-OUT-HDMI-IN)	O	UART data output to the HDMI controller
94	NO USE	-	Not used
95	VCC	-	Power supply terminal (+3.3V)
96	VSS(GND)	-	Ground terminal
97	STBY_LED	O	LED rive signal output of the ACTIVE STANDBY indicator "H": LED on
98	EEPROM DATA	I/O	Two-way data bus with the EEPROM
99	CLINK_TX (M-IN-CLINK-OUT)	I	Receive data input from the DMPORT connector
100	CLINK_RX (M-OUT-CLINK-IN)	O	Transmit data output to the DMPORT connector
101	CLINK_DET	I	Digital media port adapter connection detection signal input terminal
102	FLASH_SI	I	UART data input terminal
103	FLASH_SO	O	UART data output terminal
104	HDMI RESET	O	System reset signal output to the HDMI controller "L": reset
105 to 106	NO USE	-	Not used
107	DSVS	-	Ground terminal (for D/A converter)
108	DAVC	-	Power supply terminal (+3.3V) (for D/A converter) Not used
109	AVCC	-	Power supply terminal (+3.3V) (for A/D converter)
110	AVRH	I	Reference voltage input (+3.3V) terminal (for A/D converter)
111, 112	AVSS/AVRH, VSS	-	Ground terminal
113 to 115	A/D 0 to A/D 2	I	Front panel key input terminal (A/D input)
116	VERSION	I	Setting terminal for the destination
117	TUNE SD	I	Tuning detection signal input from the tuner (FM/AM)

Pin No.	Pin Name	I/O	Description
118	MODEL	I	Setting terminal for the model
119 to 120	NO USE	-	Not used

HDMI BOARD IC3511 SII9011CLU (HDMI RECEIVER)

Pin No.	Pin Name	I/O	Description
1	VSYNC	O	Vertical synchronize signal output for the HDMI transceiver
2 to 5	QO23 to QO20	-	Not used
6	IOGND	-	Ground terminal
7	IOVCC	-	Power supply terminal (+3.3V)
8 to 11	QO19 to QO16	-	Not used
12	CVCC18	-	Power supply terminal (+1.8V)
13	CGND	-	Ground terminal
14 to 17	QO15 to QO12	-	Not used
18	IOGND	-	Ground terminal
19	IOVCC	-	Power supply terminal (+3.3V)
20 to 23	QO11 to QO8	-	Not used
24	CVCC18	-	Power supply terminal (+1.8V)
25	CGND	-	Ground terminal
26 to 29	QO7 to QO4	-	Not used
30	IOGND	-	Ground terminal
31	IOVCC	-	Power supply terminal (+3.3V)
32 to 35	QO3 to QO0	-	Not used
36	CVCC18	-	Power supply terminal (+1.8V)
37	CGND	-	Ground terminal
38	CI2CA	-	Not used
39	CSDA	I/O	I2C two-way data bus with the HDMI controller and HDMI transceiver
40	CSCL	I	I2C clock signal input from the HDMI controller
41	DSDA	I/O	I2C two-way data bus with the level shift and data selector
42	DSDL	I	I2C clock signal input from the level shift and data selector
43	NC	-	Not used
44	PWR5V	I	Power detect signal input terminal
45	CVCC18	-	Power supply terminal (+1.8V)
46	PGND	-	Ground terminal
47	PVCC	-	Power supply terminal (+3.3V)
48	PSVD	-	Not used
49	AVCC	-	Power supply terminal (+3.3V)
50	RXC-	I	TMDS clock signal input from the HDMI input selector
51	RXC+	I	TMDS clock signal input from the HDMI input selector
52	AGND	-	Ground terminal
53	AVCC	-	Power supply terminal (+3.3V)
54	RX0-	I	TMDS data input from the HDMI input selector
55	RX0+	I	TMDS data input from the HDMI input selector
56	AGND	-	Ground terminal
57	AVCC	-	Power supply terminal (+3.3V)
58	RX1-	I	TMDS data input from the HDMI input selector
59	RX1+	I	TMDS data input from the HDMI input selector
60	AGND	-	Ground terminal
61	AVCC	-	Power supply terminal (+3.3V)
62	RX2-	I	TMDS data input from the HDMI input selector
63	RX2+	I	TMDS data input from the HDMI input selector
64, 65	AGND, DGND	-	Ground terminal
66	DVCC18	-	Power supply terminal (+1.8V)
67	MUTE	O	Audio muting signal output terminal
68	IOVCC	-	Power supply terminal (+3.3V)
69	IOGND	-	Ground terminal
70	SPDIF	O	SPDIF signal output for the digital audio interface receiver and HDMI transceiver
71 to 74	SD3 to SD0	O	Serial data output for the DSP and HDMI transceiver
75	WS	O	Word select signal output for the DSP and HDMI transceiver
76	SCK	O	Serial clock signal output for the DSP and HDMI transceiver
77	IOVCC	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
78	IOGND	-	Ground terminal
79	MCLK	O	Audio master clock signal output for the DSP and HDMI transceiver
80	CGND	-	Ground terminal
81	CVCC18	-	Power supply terminal (+1.8V)
82	AUDPVCC18	-	Power supply terminal (+1.8V)
83	AUDPGND	-	Ground terminal
84	XTALOUT	O	System clock output termnal (28.322 MHz)
85	XTALIN	I	System clock input terminal (28.322 MHz)
86	ZTALVCC	-	Power supply terminal (+3.3V)
87	REGVCC	-	Power supply terminal (+3.3V)
88	RSVDL	-	Not used
89	RESET	I	Reset signal input from the HDMI controller "L": reset
90	SCDT	-	Not used
91	INT	O	Interrupt signal output for the HDMI controller
92 to 96	QE23 to QE19	O	Serial data output for the HDMI transceiver
97	IOGND	-	Ground terminal
98	IOVCC	-	Power supply terminal (+3.3V)
99 to 105	QE18 to QE12	O	Serial data output for the HDMI transceiver
106	IOGND	-	Ground terminal
107	IOVCC	-	Power supply terminal (+3.3V)
108 to 111	QE11 to QE8	O	Serial data output for the HDMI transceiver
112	CVCC18	-	Power supply terminal (+1.8V)
113	CGND	-	Ground terminal
114 to 117	QE7 to QE4	O	Serial data output for the HDMI transceiver
118	IOGND	-	Ground terminal
119	ODCK	O	Output data clock signal output for the HDMI transceiver
120	IOVCC	-	Power supply terminal (+3.3V)
121 to 124	QE3 to QE0	O	Serial data output for the HDMI transceiver
125	CVCC18	-	Power supply terminal (+1.8V)
126	CGND	-	Ground terminal
127	DE	O	Data enable signal output for the HDMI transceiver
128	HSYNC	O	Horizontal synchronize signal output for the HDMI transceiver

HDMI BOARD IC3519 M30620FCPGP-RSX01 (HDMI CONTROLLER)

Pin No.	Pin Name	I/O	Description
1 to 5	NC	-	Not used
6	BYTE	-	Not used
7	CNVSS	I	Processor mode switch input terminal (for test)
8, 9	NC	-	Not used
10	RESET	I	System reset signal input from the main system controller "L": reset
11	XOUT	O	System clock output terminal (10 MHz)
12	VSS	-	Ground terminal
13	XIN	I	System clock input terminal (10 MHz)
14	VCC_3.3V	-	Power supply terminal (+3.3V)
15	NMI	-	Not used
16 to 18	NC	-	Not used
19	RX_RST	O	System reset signal output to the HDMI receiver "L": reset
20	RX_INT	I	Interrupt status input from the HDMI receiver
21	RX_HPD1	O	Hot plug connection detect signal output to the HDMI input selector
22 to 26	NC	-	Not used
27	CSCL	O	Serial data transfer clock signal output to the HDMI section
28	CSDA	I/O	Two-way data bus with the HDMI section
29	232COUT	O	Serial data output terminal for the RS-232C
30	232CIN	I	Serial data input terminal for the RS-232C
31, 32	NC	-	Not used
33	TX	I	UART data input from the system controller
34	RX	O	UART data output to the system controller
35	EEPROMSEL1	O	Write enable signal output to the EEPROM
36 to 39	NC	-	Not used
40	VDAC_RESET	-	Not used
41	TX_5VPWR	O	Power on/off control signal output terminal "H": power on
42	TX_RST	I	Interrupt status input from the HDMI transceiver
43	TX_INT	O	System reset signal output to the HDMI transceiver "L": reset
44 to 50	NC	-	Not used
51 to 53	TMDS_S1 to TMDS_S3	O	Source selection signal output to the HDMI input selector
54	TMDS_OEB	O	Output enable signal output to the HDMI input selector
55, 56	P5V_SELA, P5V_SELB	O	HDMI SAT IN, DVD IN, VEDEO 2/BD IN jack detection signal select signal output terminal
57 to 59	NC	-	Not used
60	VCC_3.3V	-	Power supply terminal (+3.3V)
61	NC	-	Not used
62	VSS	-	Ground terminal
63, 64	NC	-	Not used
65	MUTE	O	Audio muting signal output terminal
66	AD_SW	-	Not used
67	AD_INT	-	Not used
68	AD_RST	-	Not used
69	PROUT_RST	-	Not used
70	PROU_OUT_SW	-	Not used
71 to 90	NC	-	Not used
91 to 93	MODEL_SW3 to MODEL_SW1	I	Model setting terminal
94	AVSS	-	Ground terminal
95	NC	-	Not used
96	VREF	I	Reference voltage (+3.3V) input terminal
97	AVCC	-	Power supply terminal (+3.3V)
98 to 100	NC	-	Not used

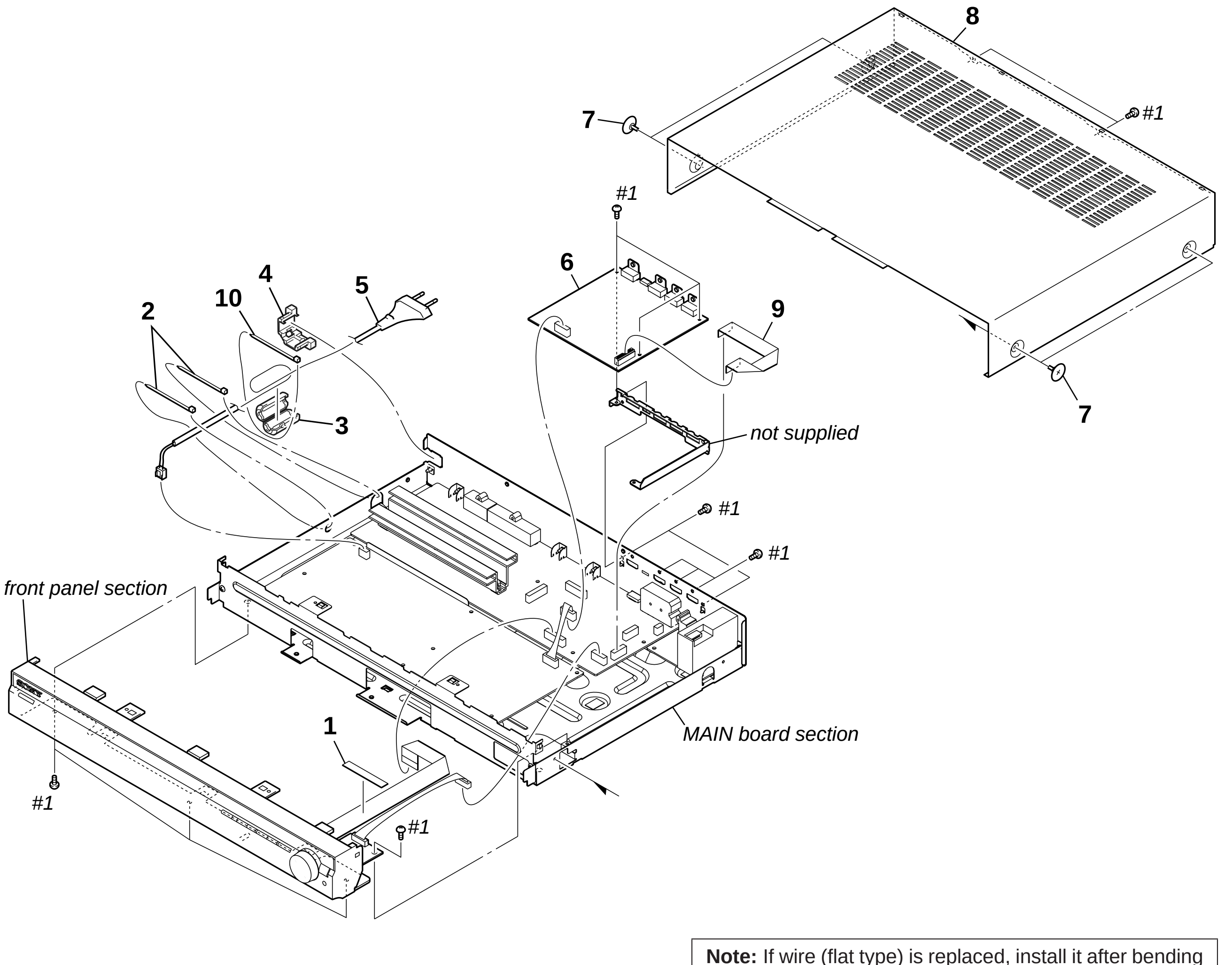
SECTION 7
EXPLODED VIEWS

Note:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts of Color ↑ Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessory are given in the last of the electrical parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

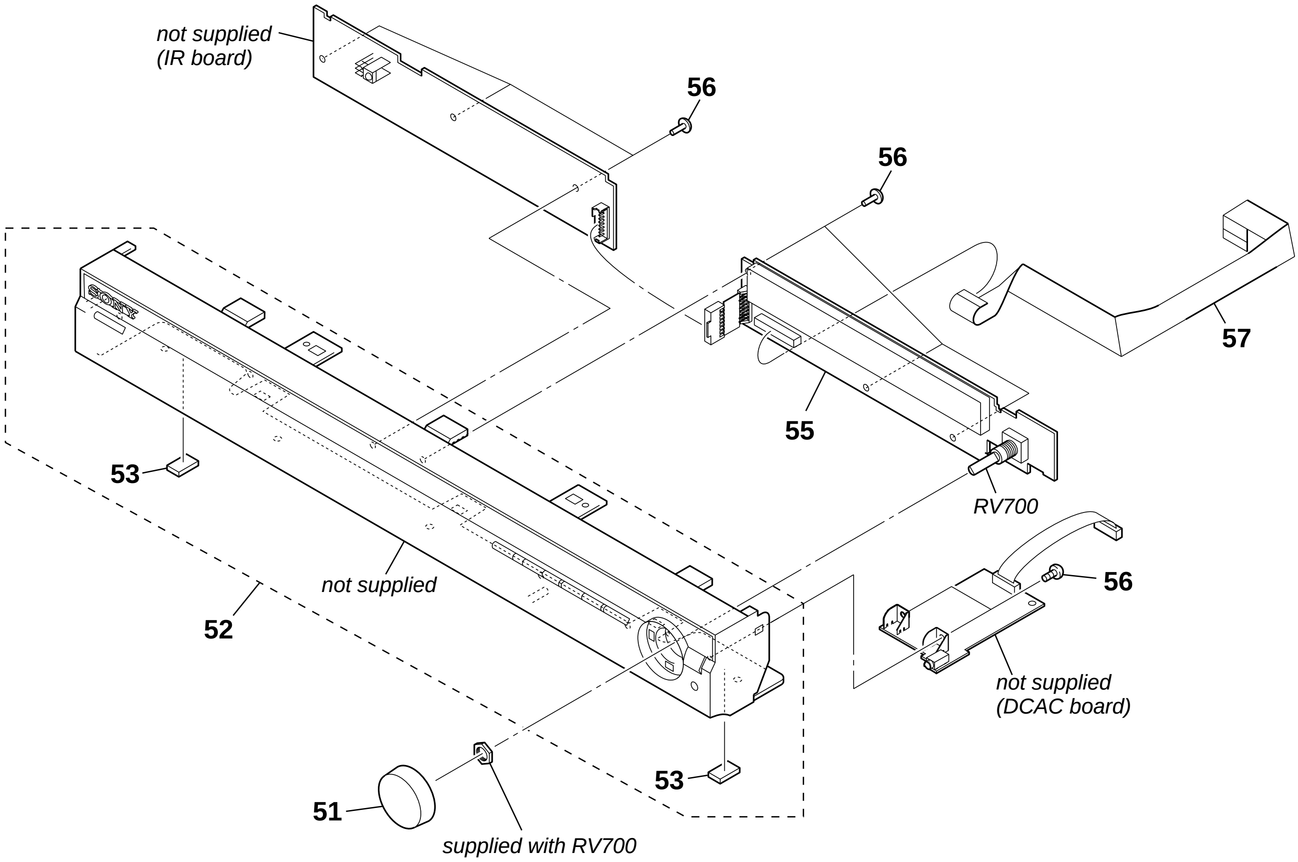
7-1. CASE, HDMI BOARD SECTION



Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

Ref. No.	Part No.	Description	Remark
1	3-378-435-01	CUSHION, SARANET	
2	3-701-748-00	CLAMP	
3	1-457-369-11	CORD, FERRITE	
4	4-966-267-12	BUSHING (FBS001), CORD	
⚠ 5	1-777-071-83	CORD, POWER	
🔒 6	A-1438-372-A	HDMI BOARD, COMPLETE (for SERVICE)	
7	3-070-883-71	SCREW, TAPPING	
8	2-897-876-22	CASE (SL07)	
9	1-828-349-11	WIRE (FLAT TYPE) (17 CORE)	
10	3-655-653-11	BAND (TAITON), BINDING	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

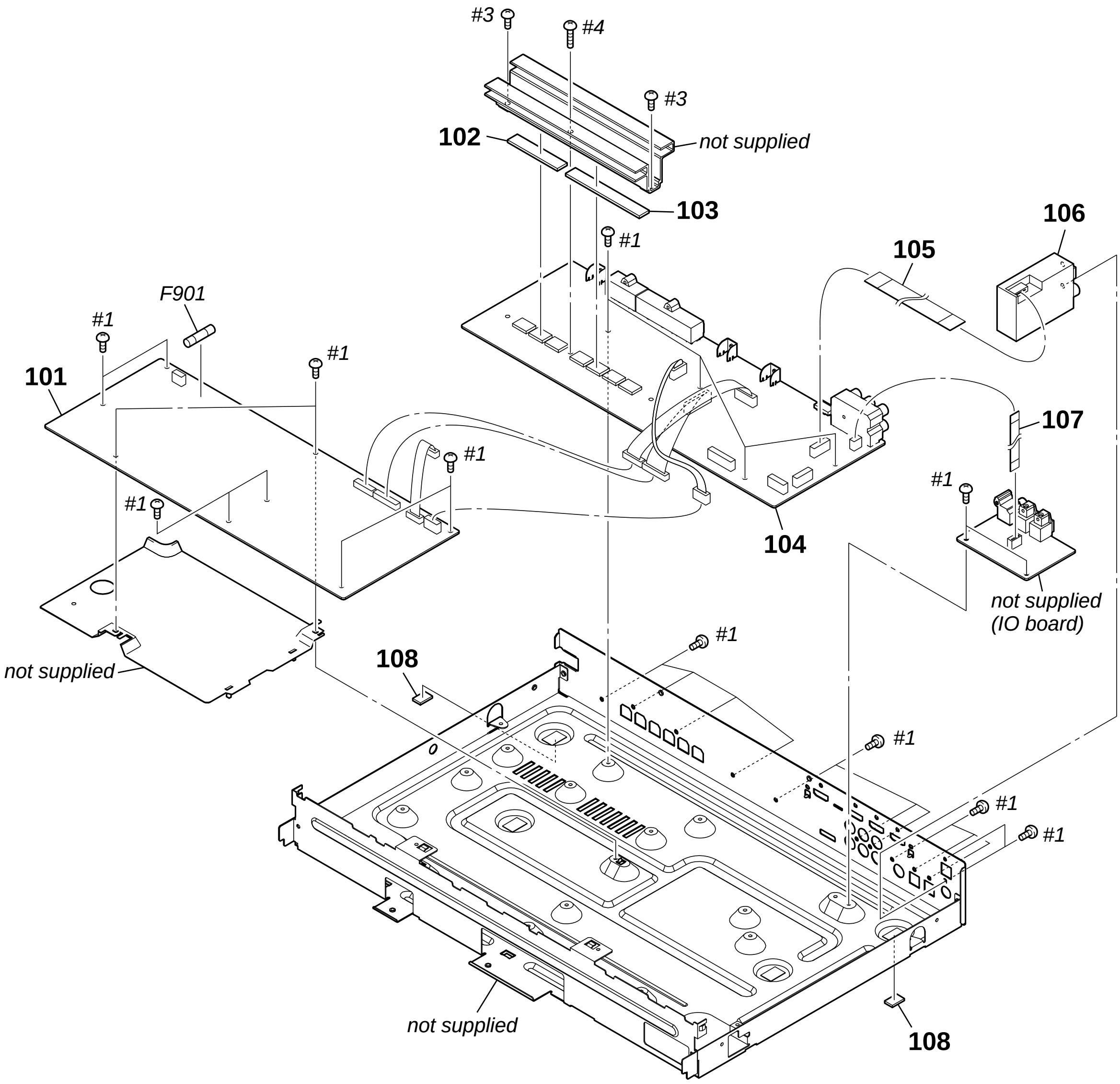
7-2. FRONT PANEL SECTION



Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

Ref. No.	Part No.	Description	Remark
51	3-288-017-01	VOLUME KNOB	
52	X-2188-409-1	FRONT PANEL ASSY	
53	4-977-358-01	CUSHION	
55	A-1444-004-A	DISPLAY BOARD, COMPLETE	
56	3-087-053-01	+BVTP2.6 (3CR)	
57	1-828-997-11	WIRE (FLAT TYPE) (21 CORE)	
RV700	1-418-725-51	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)	

7-3. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark
101	A-1444-009-A	SMPS BOARD, COMPLETE	
102	4-254-947-01	SHEET (AMP), RADIATION	
103	4-254-947-11	SHEET (AMP), RADIATION	
104	A-1444-001-A	MAIN BOARD, COMPLETE (for HT-SS1300)	
104	A-1444-016-A	MAIN BOARD, COMPLETE (for HT-SF1300)	
105	1-823-669-11	WIRE (FLAT TYPE) (11 CORE)	
106	1-693-737-21	TUNER (FM/AM)	

Ref. No.	Part No.	Description	Remark
107	1-828-935-11	WIRE (FLAT TYPE) (5 CORE)	
108	4-977-358-01	CUSHION	
⚠ F901	1-532-506-33	FUSE (T6.3AL/250V)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
#4	7-685-649-79	SCREW +BVTP 3X14 TYPE2 IT-3	

SECTION 8
ELECTRICAL PARTS LIST

Note:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: μF
- COILS
  uH: μH
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA. . : μA. . , uPA. . , μPA. . ,
  uPB. . : μPB. . , uPC. . , μPC. . ,
  uPD. . : μPD. .

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description			Remark
		DCAC BOARD			
		***********			
		< CAPACITOR >			
C2800	1-126-160-11	ELECT	1uF	20%	50V
C2801	1-124-261-00	ELECT	10uF	20%	50V
C2802	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2804	1-124-234-00	ELECT	22uF	20%	16V
C2805	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C2806	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2807	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C2808	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C2809	1-124-234-00	ELECT	22uF	20%	16V
C2810	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C2811	1-126-160-11	ELECT	1uF	20%	50V
C2812	1-124-589-11	ELECT	47uF	20%	16V
C2813	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
		< DIODE >			
D2800	6-501-817-01	DIODE MA2J1110GLS0			
		< GROUND TERMINAL >			
EB2800	1-537-738-21	TERMINAL, GROUND			
		< FERRITE BEAD >			
FB2800	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC2800	8-759-701-01	IC NJM2904M			
		< JACK >			
J2800	1-820-056-11	SMALL TYPE JACK (AUTO CAL MIC)			
		< TRANSISTOR >			
Q2800	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q2801	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q2802	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R2800	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2801	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2802	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2803	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2804	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2805	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2806	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2808	1-216-809-11	METAL CHIP	100	5%	1/10W (SUFFIX-12)
R2808	1-216-821-11	METAL CHIP	1K	5%	1/10W (SUFFIX-11)
R2809	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (SUFFIX-12)
R2809	1-216-833-11	METAL CHIP	10K	5%	1/10W (SUFFIX-11)
R2810	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2811	1-216-842-11	METAL CHIP	56K	5%	1/10W
R2812	1-218-866-11	METAL CHIP	6.2K	0.5%	1/10W
R2814	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2815	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2816	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2817	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2818	1-216-864-11	SHORT CHIP	0		
R2819	1-216-840-11	METAL CHIP	39K	5%	1/10W (SUFFIX-12)
R2819	1-216-841-11	METAL CHIP	47K	5%	1/10W (SUFFIX-11)
R2820	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W (SUFFIX-12)

****

Ref. No.	Part No.	Description			Remark
	A-1444-004-A	DISPLAY BOARD, COMPLETE			
		***********************			
	4-246-476-01	HOLDER (FL)			
*	4-921-941-01	CUSHION (FL)			
		< CAPACITOR >			
C700	1-165-722-11	ELECT	100uF	20%	10V
C701	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V
C702	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C703	1-126-948-11	ELECT	100uF	20%	35V
C704	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C705	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C706	1-126-795-11	ELECT	10uF	20%	50V
C707	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C708	1-126-795-11	ELECT	10uF	20%	50V
C709	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C710	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C711	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C712	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C713	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C714	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C715	1-162-960-11	CERAMIC CHIP	220PF	10%	50V

Note: Refer to the Servicing Notes "DCAC, IO AND SMPS BOARDS DISCRIMINATION" (page 2) for how to distinguish Suffix-11 and Suffix-12.

DISPLAY **HDMI**

Ref. No.	Part No.	Description				Remark
C716	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C717	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C718	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C719	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C720	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C721	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C722	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C723	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C724	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C725	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C728	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C729	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
		< CONNECTOR >				
CN700	1-784-929-11	PIN, CONNECTOR 14P				
CNS701	1-568-838-11	CONNECTOR, FFC 21P				
		< DIODE >				
D700	6-501-817-01	DIODE MA2J1110GLS0				
D701	6-501-817-01	DIODE MA2J1110GLS0				
D702	6-501-817-01	DIODE MA2J1110GLS0				
D703	6-501-817-01	DIODE MA2J1110GLS0				
D704	6-501-743-01	DIODE MAZ8068GMLS0				
		< FLUORESCENT INDICATOR TUBE >				
FL700	1-519-862-11	VACUUM FLUORESCENT DISPLAYS				
		< IC >				
IC700	6-701-729-01	IC PT6315				
		< COIL >				
L700	1-410-671-31	INDUCTOR	47uH			
		< TRANSISTOR >				
Q801	6-550-065-01	TRANSISTOR	CPH5504-TL-E			
		< RESISTOR >				
R700	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R701	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R702	1-216-817-11	METAL CHIP	470	5%	1/10W	
R703	1-216-817-11	METAL CHIP	470	5%	1/10W	
⚠ R705	1-249-397-91	CARBON	22	5%	1/4W	F
⚠ R706	1-249-397-91	CARBON	22	5%	1/4W	F
R750	1-216-844-11	METAL CHIP	82K	5%	1/10W	
R751	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R752	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R753	1-216-821-11	METAL CHIP	1K	5%	1/10W	
		< ROTARY ENCODER >				
RV700	1-418-725-51	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)				
		< SWITCH >				
S701	1-771-349-21	SWITCH, KEYBOARD (INPUT SELECTOR)				
S702	1-771-349-21	SWITCH, KEYBOARD (PRESET TUNING –)				
S703	1-771-349-21	SWITCH, KEYBOARD (PRESET TUNING +)				
S704	1-771-349-21	SWITCH, KEYBOARD (SOUND FIELD –)				
S705	1-771-349-21	SWITCH, KEYBOARD (SOUND FIELD +)				
S706	1-771-349-21	SWITCH, KEYBOARD (MUTING)				

Ref. No.	Part No.	Description				Remark
		< TRANSFORMER >				
⚠ T700	1-443-300-21	TRANSFORMER, DC-DC CONVERTER				

****

Ref. No.	Part No.	Description				Remark
🔒	A-1438-372-A	HDMI BOARD, COMPLETE (for SERVICE) *********************				
		< CAPACITOR >				
C3501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3504	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3508	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3511	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3513	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3516	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3517	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3518	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3519	1-126-210-21	ELECT CHIP	220uF	20%	4V	
C3520	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3521	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3522	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3523	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3526	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3529	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3530	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3534	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3535	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3536	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3537	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3538	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
C3539	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3540	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
C3541	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3542	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3543	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3544	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3545	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3547	1-100-053-21	ELECT CHIP	220uF	20%	6.3V	
C3548	1-126-210-21	ELECT CHIP	220uF	20%	4V	
C3549	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3550	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3551	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3552	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3553	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3555	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3556	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3557	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	

Ref. No.	Part No.	Description				Remark
C3558	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3561	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3562	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3563	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3564	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3566	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3567	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3568	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3569	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3570	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3571	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	
C3572	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	
C3573	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	
C3574	1-126-210-21	ELECT CHIP	220uF	20%	4V	
C3575	1-100-053-21	ELECT CHIP	220uF	20%	6.3V	
C3576	1-165-667-21	ELECT CHIP	100uF	20%	6.3V	
C3579	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C3580	1-165-667-21	ELECT CHIP	100uF	20%	6.3V	
C3584	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	
C3585	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
C3586	1-128-995-21	ELECT CHIP	100uF	20%	10V	
C3590	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V	
C3591	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3593	1-128-994-21	ELECT CHIP	47uF	20%	10V	
C3594	1-128-994-21	ELECT CHIP	47uF	20%	10V	
C3596	1-128-994-21	ELECT CHIP	47uF	20%	10V	
C3597	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3615	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3616	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3617	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3618	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3619	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C3620	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3621	1-112-791-11	ELECT CHIP	100uF	20%	16V	
C3625	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	
C3627	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	
C3630	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3631	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3632	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3633	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3634	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3635	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	
C3643	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	
C3644	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	
		< CONNECTOR >				
CN3501	1-820-735-11	HDMI CONNECTOR (HDMI SAT IN)				
CN3502	1-820-735-11	HDMI CONNECTOR (HDMI DVD IN)				
CN3503	1-820-735-11	HDMI CONNECTOR (HDMI BD IN)				
CN3504	1-820-735-11	HDMI CONNECTOR (HDMI OUT)				
CN3509	1-779-993-11	PIN, CONNECTOR (PWB) 5P				
CN3510	1-784-859-51	CONNECTOR, FFC (LIF (NON-ZIF)) 7P				
CN3511	1-820-116-41	CONNECTOR, FFC/FPC 17P				
		< DIODE >				
D3501	6-501-817-01	DIODE	MA2J1110GLS0			
D3502	6-501-817-01	DIODE	MA2J1110GLS0			
D3511	6-501-817-01	DIODE	MA2J1110GLS0			
D3512	6-501-817-01	DIODE	MA2J1110GLS0			
D3513	6-501-817-01	DIODE	MA2J1110GLS0			

Ref. No.	Part No.	Description				Remark
		< TERMINAL >				
ET3503	1-780-318-11	TERMINAL				
		< FERRITE BEAD >				
FB3501	1-414-234-22	INDUCTOR, FERRITE BEAD				
FB3502	1-414-234-22	INDUCTOR, FERRITE BEAD				
FB3503	1-414-234-22	INDUCTOR, FERRITE BEAD				
FB3504	1-414-234-22	INDUCTOR, FERRITE BEAD				
FB3505	1-414-234-22	INDUCTOR, FERRITE BEAD				
FB3506	1-414-234-22	INDUCTOR, FERRITE BEAD				
FB3508	1-414-234-22	INDUCTOR, FERRITE BEAD				
FB3509	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB3510	1-414-234-22	INDUCTOR, FERRITE BEAD				
FB3511	1-414-234-22	INDUCTOR, FERRITE BEAD				
FB3512	1-414-234-22	INDUCTOR, FERRITE BEAD				
FB3513	1-414-234-22	INDUCTOR, FERRITE BEAD				
FB3514	1-414-234-22	INDUCTOR, FERRITE BEAD				
		< IC >				
IC3501	8-759-389-26	IC	74LCX08MTCX			
IC3503	6-710-819-01	IC	TMDS341APFCR			
IC3504	8-759-596-39	IC	SN74LV4052APWR			
IC3507	6-708-758-01	IC	PCA9517DP.118			
IC3509	6-704-001-01	IC	BR24L02F-WSE2			
IC3511	(Not supplied)	IC	SII9011CLU			
IC3513	(Not supplied)	IC	SII9030CTU-7			
IC3516	6-705-337-01	IC	TK11150CSCL-G			
IC3519	6-807-915-01	IC	M30620FCPGP-RSX01			
IC3521	8-759-596-39	IC	SN74LV4052APWR			
⚠ IC3526	6-712-616-01	IC	SI-3033KM-TLS			
⚠ IC3527	6-712-616-01	IC	SI-3033KM-TLS			
IC3528	8-759-832-05	IC	BA18BC0FP-E2			
		< TRANSISTOR >				
Q3504	6-550-014-01	FET	SSM6N15FU (TE85R)			
Q3505	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF			
Q3506	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF			
Q3507	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF			
		< RESISTOR >				
R3500	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3502	1-216-864-11	SHORT CHIP	0			
R3504	1-216-864-11	SHORT CHIP	0			
R3506	1-216-864-11	SHORT CHIP	0			
R3509	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3511	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R3512	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3513	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R3514	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R3519	1-216-864-11	SHORT CHIP	0			
R3521	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3524	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3525	1-218-844-11	METAL CHIP	750	0.5%	1/10W	
R3526	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W	
R3527	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3528	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3532	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3533	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3534	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3535	1-216-864-11	SHORT CHIP	0			

Note: IC3511 and IC3513 cannot exchange with single. When IC3511 and IC3513 are damaged, exchange the entire mounted board.

HDMI

Ref. No.	Part No.	Description			Remark
R3536	1-216-864-11	SHORT CHIP	0		
R3541	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3542	1-216-864-11	SHORT CHIP	0		
R3544	1-216-805-11	METAL CHIP	47	5%	1/10W
R3545	1-216-805-11	METAL CHIP	47	5%	1/10W
R3546	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3548	1-216-803-11	METAL CHIP	33	5%	1/10W
R3549	1-216-809-11	METAL CHIP	100	5%	1/10W
R3550	1-216-809-11	METAL CHIP	100	5%	1/10W
R3551	1-216-809-11	METAL CHIP	100	5%	1/10W
R3552	1-216-809-11	METAL CHIP	100	5%	1/10W
R3554	1-216-809-11	METAL CHIP	100	5%	1/10W
R3556	1-216-809-11	METAL CHIP	100	5%	1/10W
R3557	1-216-805-11	METAL CHIP	47	5%	1/10W
R3558	1-216-864-11	SHORT CHIP	0		
R3562	1-216-864-11	SHORT CHIP	0		
R3563	1-216-809-11	METAL CHIP	100	5%	1/10W
R3564	1-218-285-11	METAL CHIP	75	5%	1/10W
R3565	1-216-805-11	METAL CHIP	47	5%	1/10W
R3566	1-218-285-11	METAL CHIP	75	5%	1/10W
R3567	1-218-285-11	METAL CHIP	75	5%	1/10W
R3570	1-216-809-11	METAL CHIP	100	5%	1/10W
R3576	1-216-805-11	METAL CHIP	47	5%	1/10W
R3577	1-216-805-11	METAL CHIP	47	5%	1/10W
R3578	1-216-809-11	METAL CHIP	100	5%	1/10W
R3579	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3580	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R3581	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3582	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R3583	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3584	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3585	1-216-864-11	SHORT CHIP	0		
R3586	1-216-864-11	SHORT CHIP	0		
R3587	1-216-864-11	SHORT CHIP	0		
R3588	1-216-864-11	SHORT CHIP	0		
R3589	1-216-864-11	SHORT CHIP	0		
R3590	1-216-864-11	SHORT CHIP	0		
R3591	1-216-864-11	SHORT CHIP	0		
R3592	1-216-864-11	SHORT CHIP	0		
R3593	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3594	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3595	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3597	1-216-864-11	SHORT CHIP	0		
R3598	1-216-864-11	SHORT CHIP	0		
R3599	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3600	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3601	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3602	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3603	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3604	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3605	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3608	1-216-805-11	METAL CHIP	47	5%	1/10W
R3609	1-216-805-11	METAL CHIP	47	5%	1/10W
R3610	1-216-805-11	METAL CHIP	47	5%	1/10W
R3611	1-216-805-11	METAL CHIP	47	5%	1/10W
R3612	1-216-805-11	METAL CHIP	47	5%	1/10W
R3613	1-216-805-11	METAL CHIP	47	5%	1/10W
R3614	1-216-805-11	METAL CHIP	47	5%	1/10W
R3615	1-216-805-11	METAL CHIP	47	5%	1/10W
R3616	1-216-805-11	METAL CHIP	47	5%	1/10W
R3621	1-216-805-11	METAL CHIP	47	5%	1/10W
R3622	1-216-805-11	METAL CHIP	47	5%	1/10W
R3623	1-216-805-11	METAL CHIP	47	5%	1/10W
R3624	1-216-801-11	METAL CHIP	22	5%	1/10W
R3625	1-216-801-11	METAL CHIP	22	5%	1/10W
R3633	1-216-864-11	SHORT CHIP	0		
R3634	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3639	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3642	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3645	1-216-809-11	METAL CHIP	100	5%	1/10W
R3652	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3653	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3654	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3660	1-216-864-11	SHORT CHIP	0		
R3661	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3662	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3663	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3676	1-216-809-11	METAL CHIP	100	5%	1/10W
R3700	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3711	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3712	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3713	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3714	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3715	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3716	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3741	1-216-817-11	METAL CHIP	470	5%	1/10W
R3744	1-216-805-11	METAL CHIP	47	5%	1/10W
R3745	1-216-805-11	METAL CHIP	47	5%	1/10W
R3747	1-216-864-11	SHORT CHIP	0		
R3748	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3749	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3750	1-216-805-11	METAL CHIP	47	5%	1/10W
R3775	1-216-797-11	METAL CHIP	10	5%	1/10W
R3776	1-216-797-11	METAL CHIP	10	5%	1/10W
R3779	1-216-805-11	METAL CHIP	47	5%	1/10W
R3780	1-216-805-11	METAL CHIP	47	5%	1/10W
R3784	1-216-864-11	SHORT CHIP	0		
R3788	1-216-864-11	SHORT CHIP	0		
R3790	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3791	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3793	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3796	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3797	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3798	1-216-864-11	SHORT CHIP	0		
R3799	1-216-805-11	METAL CHIP	47	5%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
* RB3501	1-234-723-11	RES, NETWORK 75 (1005X4)			
* RB3502	1-234-723-11	RES, NETWORK 75 (1005X4)			
* RB3503	1-234-723-11	RES, NETWORK 75 (1005X4)			
* RB3504	1-234-723-11	RES, NETWORK 75 (1005X4)			
* RB3505	1-234-723-11	RES, NETWORK 75 (1005X4)			
* RB3506	1-234-723-11	RES, NETWORK 75 (1005X4)			
		< VIBRATOR >			
X3501	1-813-570-21	VIBRATOR, CRYSTAL (28.322MHz)			
X3502	1-795-244-11	VIBRATOR, CERAMIC (10MHz)			

****

Ref. No.	Part No.	Description			Remark
		IO BOARD ********			
		< CAPACITOR >			
C1700	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1701	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1702	1-126-964-11	ELECT	10uF	20%	50V
C1703	1-112-101-11	ELECT	47uF	20%	50V (SUFFIX-12)
C1703	1-126-965-91	ELECT	22uF	20%	50V (SUFFIX-11)
C1704	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1706	1-112-080-11	ELECT	470uF	20%	10V (SUFFIX-12)
C1706	1-126-916-11	ELECT	1000uF	20%	6.3V (SUFFIX-11)
C1707	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
		< CONNECTOR >			
CNS170	1-784-766-11	CONNECTOR, FFC 5P			
		< DIODE >			
D1700	6-501-817-01	DIODE MA2J1110GLS0			
		< IC >			
IC1700	6-600-466-01	IC TORX147L (SONY) (TV OPT IN)			
IC1701	6-600-466-01	IC TORX147L (SONY) (DIGITAL OPT IN VIDEO 2)			
IC1711	8-759-242-70	IC TC7WU04F			
		< JACK >			
J1700	1-793-446-21	JACK, PIN 1P (DIGITAL COAX IN DVD)			
		< RESISTOR >			
R1701	1-218-285-11	METAL CHIP	75	5%	1/10W
R1702	1-216-817-11	METAL CHIP	470	5%	1/10W
R1703	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1704	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1705	1-216-809-11	METAL CHIP	100	5%	1/10W

****

Ref. No.	Part No.	Description			Remark
		IR BOARD ********			
		< CAPACITOR >			
C750	1-124-589-11	ELECT	47uF	20%	16V
C765	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
		< LED >			
D720	8-719-075-59	LED SELS5B23C-TP15 (DMPORT)			
D721	8-719-075-59	LED SELS5B23C-TP15 (VIDEO 1)			
D722	8-719-075-59	LED SELS5B23C-TP15 (VIDEO 2)			
D723	8-719-075-59	LED SELS5B23C-TP15 (SAT)			
D724	8-719-075-59	LED SELS5B23C-TP15 (DVD)			
D725	8-719-075-59	LED SELS5B23C-TP15 (TV)			
D726	8-719-075-59	LED SELS5B23C-TP15 (SA-CD/CD)			
D727	8-719-075-59	LED SELS5B23C-TP15 (TUNER)			
D728	8-719-075-59	LED SELS5B23C-TP15 (ACTIVE STANDBY)			
D729	8-719-075-59	LED SELS5B23C-TP15 (BD)			
		< IC >			
IC701	6-600-349-31	IC NJL24H400A			
		< TRANSISTOR >			
Q701	8-729-029-86	TRANSISTOR	DTC124ESA		
Q702	8-729-029-86	TRANSISTOR	DTC124ESA		
Q703	8-729-029-86	TRANSISTOR	DTC124ESA		
Q704	8-729-029-86	TRANSISTOR	DTC124ESA		
Q705	8-729-029-40	TRANSISTOR	DTA124ESA		
Q706	8-729-029-40	TRANSISTOR	DTA124ESA		
Q707	8-729-029-86	TRANSISTOR	DTC124ESA		
Q708	8-729-029-86	TRANSISTOR	DTC124ESA		
Q709	8-729-029-86	TRANSISTOR	DTC124ESA		
Q710	8-729-029-86	TRANSISTOR	DTC124ESA		
		< RESISTOR >			
R710	1-216-808-11	METAL CHIP	82	5%	1/10W
R711	1-216-808-11	METAL CHIP	82	5%	1/10W
R712	1-216-808-11	METAL CHIP	82	5%	1/10W
R713	1-216-808-11	METAL CHIP	82	5%	1/10W
R714	1-216-808-11	METAL CHIP	82	5%	1/10W
R715	1-216-808-11	METAL CHIP	82	5%	1/10W
R716	1-216-808-11	METAL CHIP	82	5%	1/10W
R717	1-216-808-11	METAL CHIP	82	5%	1/10W
R718	1-216-807-11	METAL CHIP	68	5%	1/10W
R722	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠ R723	1-249-393-91	CARBON	10	5%	1/4W F
R727	1-216-808-11	METAL CHIP	82	5%	1/10W
		< SWITCH >			
S707	1-771-349-21	SWITCH, KEYBOARD (I/⏻)			

****

Ref. No.	Part No.	Description			Remark
	A-1444-001-A	MAIN BOARD, COMPLETE (for HT-SS1300)			
	A-1444-016-A	MAIN BOARD, COMPLETE (for HT-SF1300)			
		*********************			
		< CAPACITOR >			
C1010	1-126-964-11	ELECT	10uF	20%	50V
C1011	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1013	1-112-077-11	ELECT	1000uF	20%	6.3V
C1014	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1017	1-117-370-11	CERAMIC CHIP	10uF		10V
C1018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1030	1-117-370-11	CERAMIC CHIP	10uF		10V
C1033	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Note: Refer to the Servicing Notes “DCAC, IO AND SMPS BOARDS DISCRIMINATION” (page 2) for how to distinguish Suffix-11 and Suffix-12.

MAIN

Ref. No.	Part No.	Description			Remark
C1037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1038	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1041	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1042	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1043	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1044	1-162-914-11	CERAMIC CHIP	9PF	0.5PF	50V
C1048	1-162-914-11	CERAMIC CHIP	9PF	0.5PF	50V
C1049	1-117-370-11	CERAMIC CHIP	10uF		10V
C1050	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1051	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1052	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1053	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1054	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1055	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1056	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1057	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1058	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1059	1-117-370-11	CERAMIC CHIP	10uF		10V
C1060	1-126-933-11	ELECT	100uF	20%	16V
C1061	1-126-933-11	ELECT	100uF	20%	16V
C1062	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1063	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1064	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1065	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1066	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1067	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1068	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1069	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1070	1-112-077-11	ELECT	1000uF	20%	6.3V
C1072	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1073	1-112-077-11	ELECT	1000uF	20%	6.3V
C1074	1-100-385-91	CERAMIC CHIP	0.47uF		25V
C1075	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1076	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1077	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1078	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1079	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1080	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1081	1-126-960-11	ELECT	1uF	20%	50V
C1082	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1083	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C1084	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1088	1-112-100-11	ELECT	10uF	20%	50V
C1092	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1095	1-126-933-11	ELECT	100uF	20%	16V
C1096	1-117-370-11	CERAMIC CHIP	10uF		10V
C1097	1-117-370-11	CERAMIC CHIP	10uF		10V
C1101	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1102	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1103	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1104	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1107	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1108	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1118	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1119	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1120	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1122	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1123	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1131	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1132	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1133	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1134	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1135	1-126-947-11	ELECT	47uF	20%	35V
C1139	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1141	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1171	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1172	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1193	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1202	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1205	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1206	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1301	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1303	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1304	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C1305	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1308	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1309	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1310	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1312	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1314	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1315	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1316	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1317	1-126-925-91	ELECT	470uF	20%	10V
C1318	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1441	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1496	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1601	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1602	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1603	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1604	1-126-933-11	ELECT	100uF	20%	16V
C1605	1-126-964-11	ELECT	10uF	20%	50V
C1606	1-126-933-11	ELECT	100uF	20%	16V
C1607	1-126-933-11	ELECT	100uF	20%	16V
C1608	1-126-933-11	ELECT	100uF	20%	16V
C1651	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1652	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1653	1-126-964-11	ELECT	10uF	20%	50V
C1654	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1655	1-126-964-11	ELECT	10uF	20%	50V
C1656	1-126-964-11	ELECT	10uF	20%	50V
C1657	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1658	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1659	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1670	1-126-964-11	ELECT	10uF	20%	50V
C1671	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1672	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1673	1-104-658-91	ELECT	100uF	20%	10V
C1674	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1675	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1709	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1710	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1711	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1712	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1713	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

Ref. No.	Part No.	Description			Remark
C1714	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1715	1-126-964-11	ELECT	10uF	20%	50V
C1716	1-126-964-11	ELECT	10uF	20%	50V
C1717	1-126-964-11	ELECT	10uF	20%	50V
C1718	1-126-964-11	ELECT	10uF	20%	50V
C1719	1-126-964-11	ELECT	10uF	20%	50V
C1720	1-126-964-11	ELECT	10uF	20%	50V
C1721	1-126-933-11	ELECT	100uF	20%	16V
C1722	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1723	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1724	1-126-933-11	ELECT	100uF	20%	16V
C1726	1-126-933-11	ELECT	100uF	20%	16V
C1728	1-126-947-11	ELECT	47uF	20%	35V
C1729	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1730	1-126-964-11	ELECT	10uF	20%	50V
C1731	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1732	1-126-933-11	ELECT	100uF	20%	16V
C1735	1-126-964-11	ELECT	10uF	20%	50V
C1736	1-126-964-11	ELECT	10uF	20%	50V
C1737	1-126-964-11	ELECT	10uF	20%	50V
C1738	1-126-964-11	ELECT	10uF	20%	50V
C1739	1-126-964-11	ELECT	10uF	20%	50V
C1744	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1747	1-126-964-11	ELECT	10uF	20%	50V
C1748	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1749	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1750	1-104-658-91	ELECT	100uF	20%	10V
C1751	1-104-658-91	ELECT	100uF	20%	10V
C1752	1-126-964-11	ELECT	10uF	20%	50V
C1753	1-126-964-11	ELECT	10uF	20%	50V
C1755	1-126-964-11	ELECT	10uF	20%	50V
C1756	1-112-119-11	ELECT	470uF	20%	10V
C1757	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C1758	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1913	1-100-385-91	CERAMIC CHIP	0.47uF		25V
C1914	1-126-947-11	ELECT	47uF	20%	35V
C1915	1-112-100-11	ELECT	10uF	20%	50V
C1916	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1917	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1918	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1919	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1920	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1921	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1922	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1923	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1924	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1925	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1926	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1927	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1928	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1929	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1930	1-126-925-91	ELECT	470uF	20%	10V
C1931	1-126-925-91	ELECT	470uF	20%	10V
C1933	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1934	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1935	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1936	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1937	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C3011	1-112-080-11	ELECT	470uF	20%	10V
C3012	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C3013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3014	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3017	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3021	1-112-080-11	ELECT	470uF	20%	10V
C3022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3031	1-112-080-11	ELECT	470uF	20%	10V
C3032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3038	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3051	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3052	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3053	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3054	1-126-933-11	ELECT	100uF	20%	16V
C3055	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3056	1-126-923-91	ELECT	220uF	20%	10V
C3057	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3058	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C3059	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3060	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C3067	1-112-416-11	CERAMIC CHIP	100PF	5%	50V
C3068	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3069	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3070	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3071	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3091	1-126-934-11	ELECT	220uF	20%	16V
C3100	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3103	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3104	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3105	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3106	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3107	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3108	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3109	1-112-246-11	ELECT	100uF	20%	35V
C3112	1-112-246-11	ELECT	100uF	20%	35V
C3113	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3114	1-131-704-11	FILM	1uF	5%	50V
C3115	1-131-704-11	FILM	1uF	5%	50V
C3116	1-112-094-11	ELECT	2200uF	20%	35V
C3122	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3123	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3124	1-164-505-11	CERAMIC CHIP	2.2uF		16V

MAIN

Ref. No.	Part No.	Description			Remark
C3125	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3126	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3127	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3128	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3129	1-117-370-11	CERAMIC CHIP	10uF		10V
C3150	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3153	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3154	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3155	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3156	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3157	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3158	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3159	1-112-246-11	ELECT	100uF	20%	35V
C3162	1-112-246-11	ELECT	100uF	20%	35V
C3163	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3164	1-131-704-11	FILM	1uF	5%	50V
C3165	1-131-704-11	FILM	1uF	5%	50V
C3166	1-112-094-11	ELECT	2200uF	20%	35V
C3172	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3173	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3200	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3203	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3204	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3205	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3206	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3207	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3208	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3209	1-112-246-11	ELECT	100uF	20%	35V
C3212	1-112-246-11	ELECT	100uF	20%	35V
C3213	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3214	1-131-704-11	FILM	1uF	5%	50V
C3215	1-131-704-11	FILM	1uF	5%	50V
C3216	1-112-094-11	ELECT	2200uF	20%	35V
C3250	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3253	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3254	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3255	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3256	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3257	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3258	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3259	1-112-246-11	ELECT	100uF	20%	35V
C3262	1-112-246-11	ELECT	100uF	20%	35V
C3263	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3264	1-131-704-11	FILM	1uF	5%	50V
C3265	1-131-704-11	FILM	1uF	5%	50V
C3266	1-112-094-11	ELECT	2200uF	20%	35V
C3300	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3303	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3304	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3305	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3306	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3307	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3308	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3309	1-112-246-11	ELECT	100uF	20%	35V
C3312	1-112-246-11	ELECT	100uF	20%	35V
C3313	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3314	1-131-704-11	FILM	1uF	5%	50V
C3315	1-131-704-11	FILM	1uF	5%	50V
C3316	1-112-094-11	ELECT	2200uF	20%	35V
C3322	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3323	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3372	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3373	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3400	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3403	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3404	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3405	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3406	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3407	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3408	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3409	1-112-246-11	ELECT	100uF	20%	35V
C3412	1-112-246-11	ELECT	100uF	20%	35V
C3413	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3414	1-131-704-11	FILM	1uF	5%	50V
C3415	1-131-704-11	FILM	1uF	5%	50V
C3416	1-112-094-11	ELECT	2200uF	20%	35V
C3422	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3423	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3429	1-117-370-11	CERAMIC CHIP	10uF		10V
C3500	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3501	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3502	1-137-198-81	FILM	1uF	5%	50V
C3503	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3504	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3505	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3506	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3507	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3508	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3509	1-112-246-11	ELECT	100uF	20%	35V
C3512	1-112-246-11	ELECT	100uF	20%	35V
C3513	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3514	1-131-704-11	FILM	1uF	5%	50V
C3515	1-131-704-11	FILM	1uF	5%	50V
C3554	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C3555	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3601	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3602	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3603	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3604	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3605	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3606	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3901	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3902	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3911	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C3912	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C3930	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C3931	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C3932	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C3933	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C3934	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C3935	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C3936	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C3937	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C3938	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C3939	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C3950	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3951	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3952	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CN1700	1-817-615-21	CONNECTOR, SQUARE TYPE (RECE) (DMPORT)	
CNP500	1-779-977-11	PIN, CONNECTOR 6P	
CNS500	1-568-838-11	CONNECTOR, FFC 21P	
CNS504	1-784-770-11	CONNECTOR, FFC 9P	
CNS505	1-784-766-11	CONNECTOR, FFC 5P	
CNS506	1-820-116-41	CONNECTOR, FFC/FPC 17P	
CNS508	1-568-830-11	CONNECTOR, FFC 11P	
		< DIODE >	
D1106	8-719-060-48	DIODE RB751V-40TE-17	
D1301	6-501-817-01	DIODE MA2J1110GLS0	
D1509	8-719-085-36	DIODE 11EQS04-TB5	
D1510	6-501-817-01	DIODE MA2J1110GLS0	
D1600	8-719-049-09	DIODE 1SS367-T3SONY	
D1661	8-719-049-09	DIODE 1SS367-T3SONY	
D3111	6-500-885-01	DIODE P6SMBJ33A-5	
D3112	6-500-885-01	DIODE P6SMBJ33A-5	
D3151	6-500-885-01	DIODE P6SMBJ33A-5	
D3152	6-500-885-01	DIODE P6SMBJ33A-5	
D3201	6-500-885-01	DIODE P6SMBJ33A-5	
D3202	6-500-885-01	DIODE P6SMBJ33A-5	
D3251	6-500-885-01	DIODE P6SMBJ33A-5	
D3252	6-500-885-01	DIODE P6SMBJ33A-5	
D3301	6-500-885-01	DIODE P6SMBJ33A-5	
D3302	6-500-885-01	DIODE P6SMBJ33A-5	
D3401	6-500-885-01	DIODE P6SMBJ33A-5	
D3402	6-500-885-01	DIODE P6SMBJ33A-5	
D3500	6-501-817-01	DIODE MA2J1110GLS0	
D3501	6-500-885-01	DIODE P6SMBJ33A-5	
D3502	6-500-885-01	DIODE P6SMBJ33A-5	
D3509	6-501-730-01	DIODE MAZ8051GMLS0	
D3510	6-501-773-01	DIODE MAZ8140GMLS0	
		< GROUND TERMINAL >	
EB3001	1-537-738-21	TERMINAL, GROUND	
EB3002	1-537-738-21	TERMINAL, GROUND	
EB3003	1-537-738-21	TERMINAL, GROUND	
EB3004	1-537-738-21	TERMINAL, GROUND	
EB3005	1-537-738-21	TERMINAL, GROUND	
EB3006	1-537-738-21	TERMINAL, GROUND	
		< FERRITE BEAD/JUMPER RESISTOR >	
FB1101	1-400-862-11	BEAD, FERRITE	
FB1102	1-400-862-11	BEAD, FERRITE	
FB1104	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB1105	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB1106	1-400-862-11	BEAD, FERRITE	
FB1112	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB1115	1-400-862-11	BEAD, FERRITE	
FB1116	1-400-862-11	BEAD, FERRITE	
FB1303	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB1304	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB1305	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB1308	1-400-862-11	BEAD, FERRITE	
FB1309	1-400-862-11	BEAD, FERRITE	
FB1310	1-400-862-11	BEAD, FERRITE	
FB1900	1-400-862-11	BEAD, FERRITE	
FB1901	1-400-862-11	BEAD, FERRITE	

Ref. No.	Part No.	Description	Remark
FB3051	1-216-295-91	SHORT CHIP 0	
		< IC >	
IC1002	6-710-766-01	IC BD12KA5FP-E2	
IC1003	8-759-680-48	IC TC7WH157FK (TE85R)	
IC1004	8-759-831-52	IC TC7WH125FK (TE85R)	
IC1005	8-759-277-63	IC TC7W14FU (TE12R)	
IC1006	8-759-058-62	IC TC7S08FU (TE85R)	
IC1007	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC1008	6-707-870-01	IC TC74VHC157FT (EKJ)	
IC1009	6-709-759-01	IC ADSST-AVR-1115	
IC1010	6-706-484-01	IC TC7SH04FU (T5RSOYJF)	
IC1014	8-759-447-77	IC TC7WH74FU (TE12R)	
IC1016	8-759-524-48	IC TC74VHC393FT (EL)	
IC1017	8-759-680-48	IC TC7WH157FK (TE85R)	
IC1018	6-808-029-01	IC MB91353APMT-G-119E1	
IC1131	(Not supplied)	IC S-24CS64A01-J8T1G	
IC1301	6-805-692-01	IC LC890561W	
IC1302	8-759-595-15	IC TC74ACT153F (EL)	
IC1600	8-759-710-97	IC NJM4565M-D	
IC1602	6-707-608-01	IC PCM1803DBR	
IC1603	8-759-710-97	IC NJM4565M-D	
IC1651	8-759-491-47	IC TC74VHCT08AFT (EL)	
IC1710	6-703-518-01	IC BD3842FS-FD2	
⚠ IC1712	8-713-031-53	IC KIA7805API-U/PF	
IC1900	6-707-870-01	IC TC74VHC157FT (EKJ)	
⚠ IC1902	8-713-032-56	IC KIA7809API-U/PF	
IC1903	A-1550-837-A	IC SST25VF040B-50-4C-S2AF (for SERVICE)	
IC3010	6-709-035-01	IC CXD9876R	
IC3020	6-709-035-01	IC CXD9876R	
IC3030	6-709-035-01	IC CXD9876R	
IC3050	6-702-300-01	IC TK11118CSCL-G	
IC3051	6-706-492-01	IC TC7SHU04FU (T5RSOJF)	
⚠ IC3100	6-712-316-01	IC CXD9883AM	
⚠ IC3150	6-712-316-01	IC CXD9883AM	
⚠ IC3200	6-712-316-01	IC CXD9883AM	
⚠ IC3250	6-712-316-01	IC CXD9883AM	
⚠ IC3300	6-712-316-01	IC CXD9883AM	
⚠ IC3400	6-712-316-01	IC CXD9883AM	
⚠ IC3500	6-712-316-01	IC CXD9883AM	
IC3950	6-710-388-01	IC 74LVC1G79GW-125	
IC3951	6-704-099-01	IC TC7WZ08FK (TE85R)	
		< JACK >	
J1710	1-784-920-11	JACK, PIN 6P (AUDIO IN VIDEO 1/TV/SA-CD/CD)	
		< JUMPER RESISTOR >	
JR1000	1-211-950-11	SHORT CHIP 0	
JR1001	1-211-950-11	SHORT CHIP 0	
JR1002	1-211-950-11	SHORT CHIP 0	
JR1003	1-211-950-11	SHORT CHIP 0	
JR1004	1-211-950-11	SHORT CHIP 0	
JR1005	1-211-950-11	SHORT CHIP 0	
JR1020	1-216-864-11	SHORT CHIP 0	
JR1511	1-216-809-11	METAL CHIP 100 5% 1/10W	
		< COIL/JUMPER RESISTOR >	
L1000	1-469-525-91	INDUCTOR 10uH	
L1001	1-412-975-31	INDUCTOR 0.47uH	
L1603	1-469-525-91	INDUCTOR 10uH	

Note: IC1131 cannot exchange with single. When IC1131 is damaged, exchange the entire mounted board.

MAIN

Ref. No.	Part No.	Description		Remark
L1604	1-469-525-91	INDUCTOR	10uH	
L1605	1-216-295-91	SHORT CHIP	0	
L1606	1-469-525-91	INDUCTOR	10uH	
L1607	1-412-975-31	INDUCTOR	0.47uH	
L3051	1-414-754-11	INDUCTOR	10uH	
L3052	1-414-754-11	INDUCTOR	10uH	
L3053	1-414-754-11	INDUCTOR	10uH	
L3054	1-412-939-11	INDUCTOR	1uH	
L3111	1-456-680-11	COIL, CHOKE	10uH	
L3112	1-456-680-11	COIL, CHOKE	10uH	
L3151	1-456-680-11	COIL, CHOKE	10uH	
L3152	1-456-680-11	COIL, CHOKE	10uH	
L3201	1-456-680-11	COIL, CHOKE	10uH	
L3202	1-456-680-11	COIL, CHOKE	10uH	
L3251	1-456-680-11	COIL, CHOKE	10uH	
L3252	1-456-680-11	COIL, CHOKE	10uH	
L3301	1-456-680-11	COIL, CHOKE	10uH	
L3302	1-456-680-11	COIL, CHOKE	10uH	
L3401	1-456-680-11	COIL, CHOKE	10uH	
L3402	1-456-680-11	COIL, CHOKE	10uH	
L3501	1-456-680-11	COIL, CHOKE	10uH	
L3502	1-456-680-11	COIL, CHOKE	10uH	
L3901	1-457-077-11	AIR-CORE COIL		
L3902	1-457-078-11	AIR-CORE COIL		
L3905	1-457-077-11	AIR-CORE COIL		
L3906	1-457-078-11	AIR-CORE COIL		
L3907	1-457-078-11	AIR-CORE COIL		
L3908	1-457-077-11	AIR-CORE COIL		
L3909	1-457-077-11	AIR-CORE COIL		
L3910	1-457-078-11	AIR-CORE COIL		
L3911	1-457-077-11	AIR-CORE COIL		
L3912	1-457-078-11	AIR-CORE COIL		
L3913	1-457-077-11	AIR-CORE COIL		
L3914	1-457-078-11	AIR-CORE COIL		
L3915	1-457-077-11	AIR-CORE COIL		
L3916	1-457-078-11	AIR-CORE COIL		
		< TRANSISTOR >		
Q1103	8-729-027-43	TRANSISTOR	DTC114EKA-T146	
Q1104	8-729-620-13	TRANSISTOR	2SC4154TP-1EF	
Q1105	8-729-620-13	TRANSISTOR	2SC4154TP-1EF	
Q1106	6-551-699-01	TRANSISTOR	ISA1602AM1TP-1EF	
Q1900	8-729-027-43	TRANSISTOR	DTC114EKA-T146	
Q3101	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3102	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3151	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3152	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3201	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3202	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3251	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3252	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3301	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3302	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3401	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3402	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3451	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3452	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	
Q3551	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	
Q3552	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	
Q3553	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	

Ref. No.	Part No.	Description				Remark
Q3554	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q3950	8-729-038-11	TRANSISTOR	RT1P140C-TP-1			
		< RESISTOR >				
R510	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1010	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1011	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R1017	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1018	1-216-805-11	METAL CHIP	47	5%	1/10W	
R1023	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1024	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1025	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1026	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1027	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1029	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1030	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1031	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1032	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1033	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1034	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1035	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1036	1-216-864-11	SHORT CHIP	0			
R1037	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1038	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1040	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1041	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1042	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1043	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1044	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1046	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1047	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1048	1-216-857-11	METAL CHIP	1M	5%	1/10W	
R1049	1-216-817-11	METAL CHIP	470	5%	1/10W	
R1050	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1053	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1054	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1058	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1059	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1062	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1063	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1064	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1065	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1068	1-216-805-11	METAL CHIP	47	5%	1/10W	
R1069	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1070	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1071	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1072	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1073	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1075	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1076	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1079	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1080	1-216-864-11	SHORT CHIP	0			
R1084	1-216-864-11	SHORT CHIP	0			
R1085	1-243-227-91	RES-CHIP	0.33	1%	1/8W	
R1086	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1090	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1093	1-216-833-11	METAL CHIP	10K	5%	1/10W	

Ref. No.	Part No.	Description				Remark
R1098	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1100	1-216-864-11	SHORT CHIP	0			
R1101	1-216-864-11	SHORT CHIP	0			
R1102	1-216-864-11	SHORT CHIP	0			
R1103	1-216-864-11	SHORT CHIP	0			
R1104	1-216-864-11	SHORT CHIP	0			
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1106	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1110	1-216-864-11	SHORT CHIP	0			
R1115	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1116	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1119	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1125	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1126	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1127	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1128	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1130	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1131	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1133	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1136	1-216-864-11	SHORT CHIP	0			
R1139	1-216-864-11	SHORT CHIP	0			
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1142	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1143	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1144	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1145	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1156	1-216-864-11	SHORT CHIP	0			
R1157	1-216-864-11	SHORT CHIP	0			
R1158	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R1160	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1161	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1164	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(for HT-SS1300)
R1164	1-216-833-11	METAL CHIP	10K	5%	1/10W	(for HT-SF1300)
R1166	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1168	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1169	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1170	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1171	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1172	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1173	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1174	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1175	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1183	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1184	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1185	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1187	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1188	1-216-809-11	METAL CHIP	100	5%	1/10W	

Ref. No.	Part No.	Description				Remark
R1189	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1193	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1194	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R1201	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1202	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1203	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1204	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1205	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1206	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1207	1-216-864-11	SHORT CHIP	0			
R1208	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1209	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1210	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1211	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1212	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1213	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1214	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1216	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1217	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1224	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1304	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1305	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W	
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W	
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1315	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1319	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1320	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1322	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1324	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1361	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1362	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1447	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1508	1-216-864-11	SHORT CHIP	0			
R1509	1-216-864-11	SHORT CHIP	0			
R1510	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1511	1-216-838-11	METAL CHIP	27K	5%	1/10W	
R1512	1-216-813-11	METAL CHIP	220	5%	1/10W	
R1513	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1514	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1515	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1557	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1558	1-216-864-11	SHORT CHIP	0			
R1559	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1560	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1561	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1562	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1601	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1602	1-216-817-11	METAL CHIP	470	5%	1/10W	
R1604	1-216-817-11	METAL CHIP	470	5%	1/10W	
R1605	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	

MAIN

Ref. No.	Part No.	Description			Remark
R1606	1-216-809-11	METAL CHIP	100	5%	1/10W
R1607	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1609	1-216-817-11	METAL CHIP	470	5%	1/10W
R1610	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1618	1-216-817-11	METAL CHIP	470	5%	1/10W
R1651	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1652	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1654	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1671	1-216-864-11	SHORT CHIP	0		
R1672	1-216-809-11	METAL CHIP	100	5%	1/10W
R1706	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1707	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1708	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1709	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1710	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1711	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1712	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1713	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1714	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1715	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1716	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1717	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1718	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1719	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1720	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1721	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1722	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1723	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1724	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1725	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1726	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1727	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1728	1-216-809-11	METAL CHIP	100	5%	1/10W
R1729	1-216-809-11	METAL CHIP	100	5%	1/10W
R1730	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1732	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1733	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R1734	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R1735	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R1737	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R1738	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1739	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1740	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1741	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1742	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1743	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1755	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1756	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1757	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1758	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1759	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1760	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1762	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1763	1-216-864-11	SHORT CHIP	0		
R1764	1-216-864-11	SHORT CHIP	0		
R1765	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1766	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1767	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1768	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1769	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1770	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1771	1-216-813-11	METAL CHIP	220	5%	1/10W
R1900	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1901	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1902	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1903	1-216-809-11	METAL CHIP	100	5%	1/10W
R1904	1-216-809-11	METAL CHIP	100	5%	1/10W
R1906	1-216-817-11	METAL CHIP	470	5%	1/10W
R3011	1-216-817-11	METAL CHIP	470	5%	1/10W
R3012	1-216-817-11	METAL CHIP	470	5%	1/10W
R3013	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3014	1-216-801-11	METAL CHIP	22	5%	1/10W
R3015	1-216-809-11	METAL CHIP	100	5%	1/10W
R3017	1-216-809-11	METAL CHIP	100	5%	1/10W
R3021	1-216-817-11	METAL CHIP	470	5%	1/10W
R3022	1-216-817-11	METAL CHIP	470	5%	1/10W
R3023	1-216-801-11	METAL CHIP	22	5%	1/10W
R3024	1-216-809-11	METAL CHIP	100	5%	1/10W
R3026	1-216-809-11	METAL CHIP	100	5%	1/10W
R3031	1-216-817-11	METAL CHIP	470	5%	1/10W
R3032	1-216-817-11	METAL CHIP	470	5%	1/10W
R3033	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3034	1-216-801-11	METAL CHIP	22	5%	1/10W
R3035	1-216-809-11	METAL CHIP	100	5%	1/10W
R3037	1-216-809-11	METAL CHIP	100	5%	1/10W
R3040	1-216-864-11	SHORT CHIP	0		
R3041	1-216-864-11	SHORT CHIP	0		
R3042	1-216-864-11	SHORT CHIP	0		
R3043	1-216-864-11	SHORT CHIP	0		
R3044	1-216-864-11	SHORT CHIP	0		
R3045	1-216-864-11	SHORT CHIP	0		
R3046	1-216-864-11	SHORT CHIP	0		
R3051	1-216-097-11	RES-CHIP	100K	5%	1/10W
R3052	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3053	1-216-809-11	METAL CHIP	100	5%	1/10W
R3054	1-216-801-11	METAL CHIP	22	5%	1/10W
R3055	1-216-809-11	METAL CHIP	100	5%	1/10W
R3057	1-216-809-11	METAL CHIP	100	5%	1/10W
R3059	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3060	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3063	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3064	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3098	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3101	1-216-809-11	METAL CHIP	100	5%	1/10W
R3102	1-216-809-11	METAL CHIP	100	5%	1/10W
R3103	1-216-864-11	SHORT CHIP	0		
R3104	1-216-864-11	SHORT CHIP	0		
R3106	1-216-864-11	SHORT CHIP	0		
R3107	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3115	1-216-864-11	SHORT CHIP	0		
R3116	1-216-864-11	SHORT CHIP	0		
R3125	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3126	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3127	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3151	1-216-809-11	METAL CHIP	100	5%	1/10W
R3152	1-216-809-11	METAL CHIP	100	5%	1/10W
R3153	1-216-864-11	SHORT CHIP	0		
R3154	1-216-864-11	SHORT CHIP	0		
R3156	1-216-864-11	SHORT CHIP	0		
R3157	1-216-835-11	METAL CHIP	15K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3165	1-216-864-11	SHORT CHIP	0		
R3166	1-216-864-11	SHORT CHIP	0		
R3175	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3176	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3177	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3201	1-216-809-11	METAL CHIP	100	5%	1/10W
R3202	1-216-809-11	METAL CHIP	100	5%	1/10W
R3203	1-216-864-11	SHORT CHIP	0		
R3204	1-216-864-11	SHORT CHIP	0		
R3206	1-216-864-11	SHORT CHIP	0		
R3207	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3215	1-216-864-11	SHORT CHIP	0		
R3216	1-216-864-11	SHORT CHIP	0		
R3225	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3226	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3227	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3251	1-216-809-11	METAL CHIP	100	5%	1/10W
R3252	1-216-809-11	METAL CHIP	100	5%	1/10W
R3253	1-216-864-11	SHORT CHIP	0		
R3254	1-216-864-11	SHORT CHIP	0		
R3256	1-216-864-11	SHORT CHIP	0		
R3257	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3265	1-216-864-11	SHORT CHIP	0		
R3266	1-216-864-11	SHORT CHIP	0		
R3275	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3276	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3277	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3301	1-216-809-11	METAL CHIP	100	5%	1/10W
R3302	1-216-809-11	METAL CHIP	100	5%	1/10W
R3303	1-216-864-11	SHORT CHIP	0		
R3304	1-216-864-11	SHORT CHIP	0		
R3306	1-216-864-11	SHORT CHIP	0		
R3307	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3315	1-216-864-11	SHORT CHIP	0		
R3316	1-216-864-11	SHORT CHIP	0		
R3325	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3326	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3327	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3401	1-216-809-11	METAL CHIP	100	5%	1/10W
R3402	1-216-809-11	METAL CHIP	100	5%	1/10W
R3403	1-216-864-11	SHORT CHIP	0		
R3404	1-216-864-11	SHORT CHIP	0		
R3406	1-216-864-11	SHORT CHIP	0		
R3407	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3415	1-216-864-11	SHORT CHIP	0		
R3416	1-216-864-11	SHORT CHIP	0		
R3425	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3426	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3427	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3500	1-216-864-11	SHORT CHIP	0		
R3501	1-216-809-11	METAL CHIP	100	5%	1/10W
R3502	1-216-809-11	METAL CHIP	100	5%	1/10W
R3503	1-216-864-11	SHORT CHIP	0		
R3504	1-216-864-11	SHORT CHIP	0		
R3506	1-216-864-11	SHORT CHIP	0		
R3507	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3510	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3511	1-216-847-11	METAL CHIP	150K	5%	1/10W
R3514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3515	1-216-864-11	SHORT CHIP	0		
R3516	1-216-864-11	SHORT CHIP	0		
R3517	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3554	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3555	1-216-864-11	SHORT CHIP	0		
R3575	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3576	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3577	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3600	1-216-809-11	METAL CHIP	100	5%	1/10W
R3917	1-216-817-11	METAL CHIP	470	5%	1/10W
R3918	1-216-864-11	SHORT CHIP	0		
R3919	1-216-864-11	SHORT CHIP	0		
R3920	1-216-864-11	SHORT CHIP	0		
R3921	1-216-864-11	SHORT CHIP	0		
R3928	1-216-809-11	METAL CHIP	100	5%	1/10W
R3950	1-216-809-11	METAL CHIP	100	5%	1/10W
R3951	1-216-809-11	METAL CHIP	100	5%	1/10W
R3952	1-216-809-11	METAL CHIP	100	5%	1/10W
R3953	1-216-809-11	METAL CHIP	100	5%	1/10W
R3954	1-216-849-11	METAL CHIP	220K	5%	1/10W
R3970	1-216-809-11	METAL CHIP	100	5%	1/10W
R3971	1-216-809-11	METAL CHIP	100	5%	1/10W
R3972	1-216-809-11	METAL CHIP	100	5%	1/10W
		< TERMINAL >			
TB3001	1-780-453-11	TERMINAL BOARD (SPEAKER) 2P (SPEAKERS CENTER/SUBWOOFER)			
TB3002	1-780-454-11	TERMINAL BOARD (SPEAKER) 4P (SPEAKERS FRONT L/FRONT R/SUR L/SUR R)			
		< VIBRATOR >			
X1300	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			
X1301	1-781-465-21	VIBRATOR, CRYSTAL (12.288MHz)			
X1302	1-795-807-11	VIBRATOR, CRYSTAL (25MHz)			
X3051	1-795-660-21	QUARTZ CRYSTAL UNIT (49.1MHz)			

****

Ref. No.	Part No.	Description			Remark
	A-1444-009-A	SMPS BOARD, COMPLETE ********************			
	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3			
		< CAPACITOR >			
⚠ C901	1-165-529-11	MYLAR	0.22uF	10	275V
⚠ C902	1-165-529-11	MYLAR	0.22uF	10	275V
⚠ C903	1-112-333-11	ELECT (BLOCK)	330uF	20%	450V
⚠ C905	1-112-335-91	FILM	0.0033uF	5%	400V
⚠ C906	1-117-815-11	FILM	1000PF	3%	1.5KV
⚠ C907	1-162-964-91	CERAMIC CHIP	0.001uF	10%	50V
⚠ C908	1-104-962-91	ELECT	47uF	20%	35V
⚠ C909	1-162-960-91	CERAMIC CHIP	220PF	10%	50V
⚠ C910	1-107-907-91	ELECT	22uF	20%	50V
⚠ C911	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
⚠ C912	1-117-693-51	CERAMIC	100PF	10%	250V
⚠ C918	1-113-925-51	CERAMIC	0.01uF	20%	250V
⚠ C920	1-113-925-51	CERAMIC	0.01uF	20%	250V
⚠ C922	1-104-667-91	ELECT	22uF	20%	35V
⚠ C923	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
⚠ C924	1-124-257-91	ELECT	2.2uF	20%	50V
⚠ C925	1-107-974-81	CERAMIC	47PF	5%	2KV
⚠ C928	1-117-695-51	CERAMIC	220PF	10%	250V
⚠ C929	1-115-339-91	CERAMIC CHIP	0.1uF	10%	50V

SMPS

Ref. No.	Part No.	Description	Remark
C932	1-100-924-21	ELECT 2200uF 20%	35V
C933	1-100-924-21	ELECT 2200uF 20%	35V
C934	1-100-924-21	ELECT 2200uF 20%	35V (SUFFIX-12)
C934	1-126-953-11	ELECT 2200uF 20%	35V (SUFFIX-11)
C935	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C936	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C937	1-100-756-91	CERAMIC CHIP 0.047uF	50V
⚠ C938	1-117-697-51	CERAMIC 470PF 10%	250V
C939	1-136-165-00	FILM 0.1uF 5%	50V
C940	1-128-947-31	ELECT 3300uF 20%	10V
C941	1-128-954-11	ELECT 1000uF 20%	25V
C942	1-126-940-11	ELECT 330uF 20%	25V
C943	1-126-933-11	ELECT 100uF 20%	16V
C944	1-128-951-21	ELECT 2200uF 20%	16V
C945	1-126-935-11	ELECT 470uF 20%	16V
C946	1-128-950-21	ELECT 1000uF 20%	16V
C947	1-104-658-91	ELECT 100uF 20%	10V
C951	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C952	1-100-756-91	CERAMIC CHIP 0.047uF	50V
C953	1-117-214-11	CERAMIC 0.001uF 10%	2KV
C954	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C958	1-126-925-91	ELECT 470uF 20%	10V
C959	1-104-658-91	ELECT 100uF 20%	10V
C960	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C961	1-126-947-11	ELECT 47uF 20%	35V
⚠ C963	1-117-697-51	CERAMIC 470PF 10%	250V
⚠ C964	1-117-697-51	CERAMIC 470PF 10%	250V
C975	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C976	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C977	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C978	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C979	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C980	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C981	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C982	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
⚠ C983	1-117-693-51	CERAMIC 100PF 10%	250V
		< CONNECTOR >	
CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
* CN902	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P	
* CN905	1-564-510-11	PLUG, CONNECTOR 7P	
CN906	1-691-770-11	PLUG (MICRO CONNECTOR) 8P	
		< DIODE >	
⚠ D901	8-719-082-57	DIODE D5SBA60F01	
⚠ D904	6-500-593-21	DIODE 10EDB60-TB5	
⚠ D905	8-719-063-74	DIODE D1NL20U-TR2	
⚠ D907	6-501-817-01	DIODE MA2J1110GLS0	
⚠ D908	6-501-817-01	DIODE MA2J1110GLS0	
⚠ D909	6-501-817-01	DIODE MA2J1110GLS0	
⚠ D910	6-501-817-01	DIODE MA2J1110GLS0	
⚠ D913	6-500-241-01	DIODE SARS03	
⚠ D914	6-501-817-01	DIODE MA2J1110GLS0	
⚠ D915	6-501-760-01	DIODE MAZ8100GMLS0	
⚠ D916	6-501-817-01	DIODE MA2J1110GLS0	
⚠ D922	8-719-063-74	DIODE D1NL20U-TR2	
⚠ D923	6-501-760-01	DIODE MAZ8100GMLS0	
⚠ D924	6-501-183-01	DIODE UDZW-TE17-24B	
⚠ D925	6-501-730-01	DIODE MAZ8051GMLS0	

Ref. No.	Part No.	Description	Remark
⚠ D926	6-501-730-01	DIODE MAZ8051GMLS0	
D931	6-501-849-01	DIODE FMX-22SL	
D932	6-501-730-01	DIODE MAZ8051GMLS0	
⚠ D941	8-719-063-74	DIODE D1NL20U-TR2	
⚠ D942	6-500-288-11	DIODE EK19LF-F7	
⚠ D943	8-719-059-21	DIODE RK46LF-T2	
⚠ D944	6-500-288-11	DIODE EK19LF-F7	
D945	6-501-181-01	DIODE UDZW-TE17-20B	
⚠ D971	6-501-424-01	DIODE STO2D-140	
D972	8-719-085-36	DIODE 11EQS04-TB5	
		< GROUND TERMINAL >	
EB901	1-537-738-21	TERMINAL, GROUND	
EB902	1-537-738-21	TERMINAL, GROUND	
EB904	1-537-738-21	TERMINAL, GROUND (SUFFIX-11)	
EB905	1-537-738-21	TERMINAL, GROUND	
EB909	1-537-738-21	TERMINAL, GROUND	
		< FUSE HOLDER >	
FH901	1-533-217-31	FUSE HOLDER	
FH902	1-533-217-31	FUSE HOLDER	
		< FUSIBLE RESISTOR >	
⚠ FR901	1-220-886-61	FUSIBLE 0.1 10% 1W	F
		< IC >	
⚠ IC901	6-707-742-01	IC STR-F6168-LF1352	
⚠ IC921	6-707-740-01	IC STR-V153	
IC931	8-759-648-34	IC TA76431AS (TPE6)	
⚠ IC941	6-712-615-01	IC SI-3120KM-TLS	
⚠ IC942	6-712-614-01	IC SI-3050KM-TLS	
⚠ IC944	6-712-616-01	IC SI-3033KM-TLS	
IC951	6-707-743-01	IC TA76L431S (TPE6, Q)	
		< COIL >	
L931	1-457-438-11	COIL, CHOKE 5.6uH	
⚠ L934	1-414-398-41	INDUCTOR 10uH	
⚠ L935	1-414-398-41	INDUCTOR 10uH	
⚠ L936	1-414-398-41	INDUCTOR 10uH	
⚠ L937	1-414-398-41	INDUCTOR 10uH	
⚠ L942	1-481-060-11	INDUCTOR 2.2uH	
⚠ L945	1-414-398-41	INDUCTOR 10uH	
⚠ L947	1-414-398-41	INDUCTOR 10uH	
⚠ L948	1-414-398-41	INDUCTOR 10uH	
⚠ L950	1-414-398-41	INDUCTOR 10uH	
⚠ L951	1-457-054-21	COIL, LINE FILTER	
⚠ L952	1-457-054-21	COIL, LINE FILTER	
		< PHOTO COUPLER >	
⚠ PC901	6-600-438-01	PHOTO COUPLER TLP421F (D4-GRJ)	
⚠ PC902	6-600-438-01	PHOTO COUPLER TLP421F (D4-GRJ)	
⚠ PC903	6-600-438-01	PHOTO COUPLER TLP421F (D4-GRJ)	
⚠ PC904	6-600-438-01	PHOTO COUPLER TLP421F (D4-GRJ)	
		< TRANSISTOR >	
⚠ Q901	8-729-231-15	TRANSISTOR 2SA1015TP-YGR	
⚠ Q921	6-550-702-01	TRANSISTOR 2SC3243-TP-E	
Q943	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q944	8-729-027-43	TRANSISTOR DTC114EKA-T146	
⚠ Q945	6-550-718-01	FET RSR025N03TL	

Note: Refer to the Servicing Notes “DCAC, IO AND SMPS BOARDS DISCRIMINATION” (page 2) for how to distinguish Suffix-11 and Suffix-12.

Ref. No.	Part No.	Description				Remark
⚠ Q946	6-550-718-01	FET	RSR025N03TL			
Q947	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
Q961	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q964	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
		< RESISTOR >				
⚠ R901	1-219-759-51	METAL	1M	5%	1/2W	F
⚠ R903	1-215-929-51	METAL OXIDE	100K	5%	3W	F
⚠ R904	1-215-929-51	METAL OXIDE	100K	5%	3W	F
⚠ R905	1-216-797-91	METAL CHIP	10	5%	1/10W	
⚠ R906	1-216-827-91	METAL CHIP	3.3K	5%	1/10W	
⚠ R907	1-216-833-91	METAL CHIP	10K	5%	1/10W	
⚠ R908	1-260-105-51	CARBON	3.3K	5%	1/2W	
⚠ R909	1-216-845-91	METAL CHIP	100K	5%	1/10W	
⚠ R910	1-216-825-91	METAL CHIP	2.2K	5%	1/10W	
⚠ R911	1-216-813-91	METAL CHIP	220	5%	1/10W	
⚠ R912	1-216-363-61	METAL OXIDE	0.33	5%	2W	F
⚠ R914	1-214-789-11	METAL	0.1	10%	5W	F
⚠ R915	1-216-262-91	RES-CHIP	470K	5%	1/8W	
⚠ R919	1-216-836-91	METAL CHIP	18K	5%	1/10W	
⚠ R923	1-216-829-91	METAL CHIP	4.7K	5%	1/10W	
⚠ R925	1-216-797-91	METAL CHIP	10	5%	1/10W	
⚠ R926	1-216-855-91	METAL CHIP	680K	5%	1/10W	
⚠ R927	1-216-349-51	METAL OXIDE	1	5%	1W	F
R931	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	
R932	1-218-883-11	METAL CHIP	33K	0.5%	1/10W	
R933	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R934	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R935	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R936	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R937	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R938	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R939	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	
R940	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R941	1-216-864-11	SHORT CHIP	0			
R943	1-216-864-11	SHORT CHIP	0			
R949	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R951	1-218-831-11	METAL CHIP	220	0.5%	1/10W	
R952	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W	
R953	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W	
R954	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R955	1-216-817-11	METAL CHIP	470	5%	1/10W	
R956	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R957	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R958	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R960	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R962	1-216-811-11	METAL CHIP	150	5%	1/10W	
R965	1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W	
R966	1-216-845-11	METAL CHIP	100K	5%	1/10W	
⚠ R967	1-246-106-11	METAL OXIDE	2.2	5%	1/2W	F
⚠ R968	1-216-821-91	METAL CHIP	1K	5%	1/10W	
R969	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R970	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R974	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R975	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	
R978	1-216-821-11	METAL CHIP	1K	5%	1/10W	
⚠ R985	1-216-793-91	METAL CHIP	4.7	5%	1/10W	

Ref. No.	Part No.	Description	Remark
		< TRANSFORMER >	
⚠ T901	1-443-874-11	TRANSFORMER, CONVERTER	
⚠ T902	1-443-650-11	TRANSFORMER, CONVERTER	
		< THERMISTOR >	
⚠ TH901	1-805-842-21	THERMISTOR, NTC 6.0	
		< VARISTOR >	
⚠ VDR901	1-805-482-11	VARISTOR	

****

MISCELLANEOUS
****

Ref. No.	Part No.	Description	Remark
3	1-457-369-11	CORE, FERRITE	
⚠ 5	1-777-071-83	CORD, POWER	
9	1-828-349-11	WIRE (FLAT TYPE) (17 CORE)	
57	1-828-997-11	WIRE (FLAT TYPE) (21 CORE)	
105	1-823-669-11	WIRE (FLAT TYPE) (11 CORE)	
106	1-693-737-21	TUNER (FM/AM)	
107	1-828-935-11	WIRE (FLAT TYPE) (5 CORE)	
⚠ F901	1-532-506-33	FUSE (T6.3AL/250V)	

****

ACCESSORY
****

Ref. No.	Part No.	Description	Remark
⚠	1-770-019-61	ADAPTOR, CONVERSION PLUG (UK)	

Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

MEMO

STR-KS1300

SONY

AEP Model
UK Model

SERVICE MANUAL

Ver. 1.2 2008.07

SUPPLEMENT-1

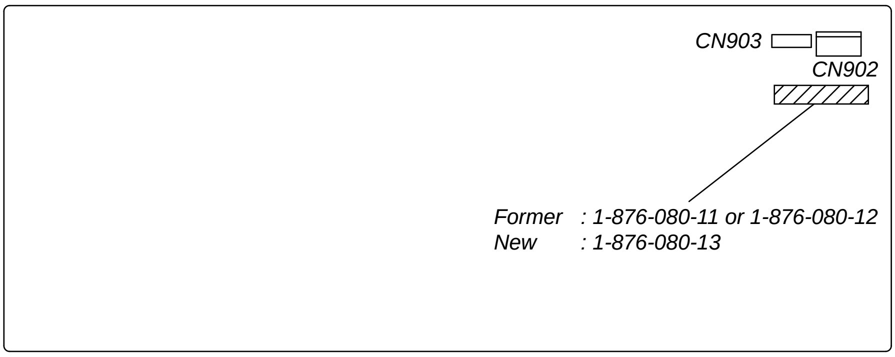
File this supplement with the service manual.

Subject: Change of SMPS board (Suffix-13)

In this set, SMPS board has been changed in the midway of production.
Printed wiring boards, schematic diagrams and electrical parts list of new type are described in this supplement-1.
Refer to original service manual for other information.

1. NEW/FORMER DISCRIMINATION

– SMPS Board (Component Side) –



9-889-016-81

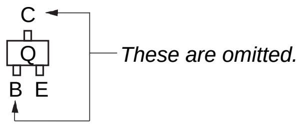
2. DIAGRAMS

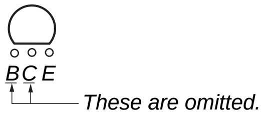
THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For Printed Wiring Boards.

Note:

- o——— : Parts extracted from the component side.
- ——— : Parts extracted from the conductor side.
- (green pattern) : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)
- Indication of transistor.





For Schematic Diagrams.

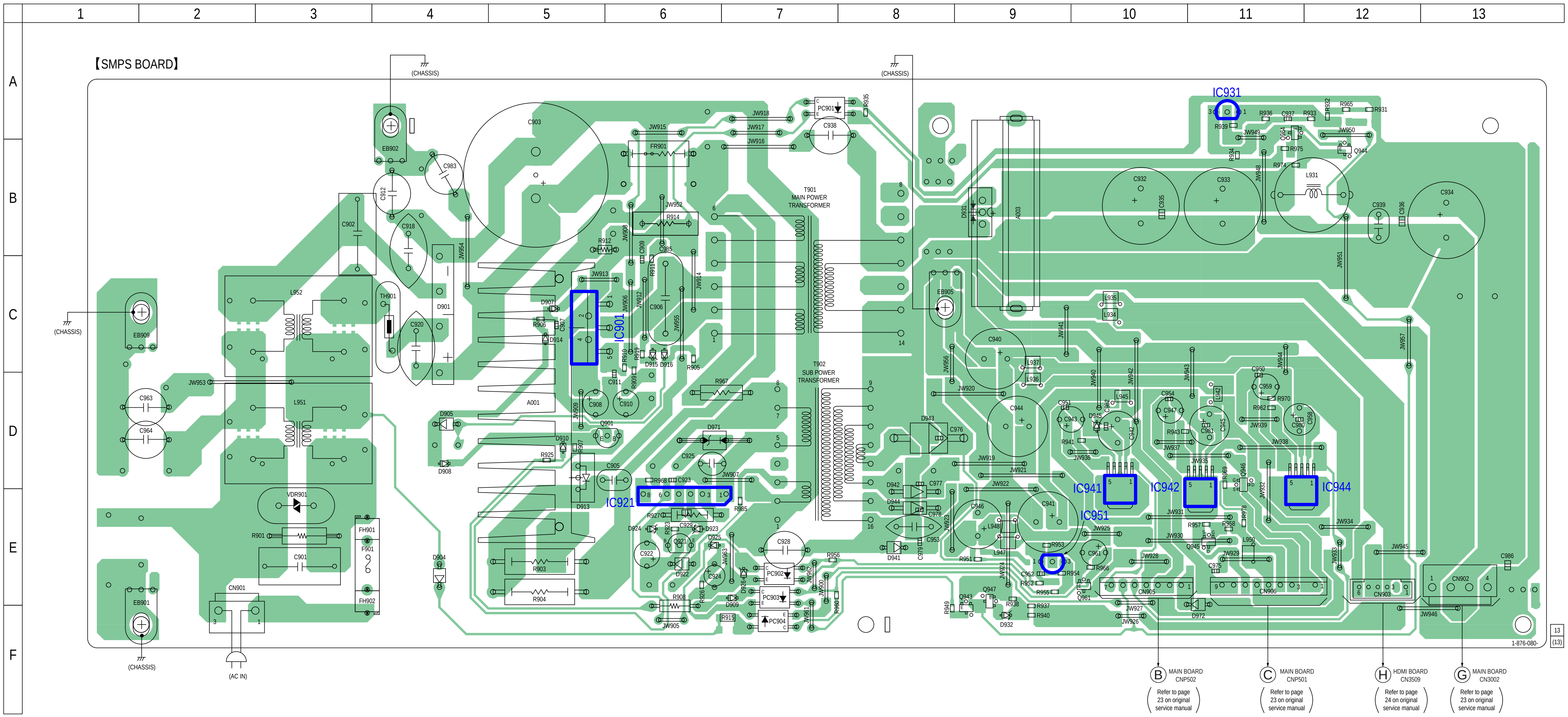
Note:

- All capacitors are in μF unless otherwise noted. (p: pF)
  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- : nonflammable resistor.
- : flusible resistor.

> **Note:** The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
> Replace only with part number specified.

- : B+ Line.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  no mark : TUNER
- Voltages are taken with a VOM (Input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.

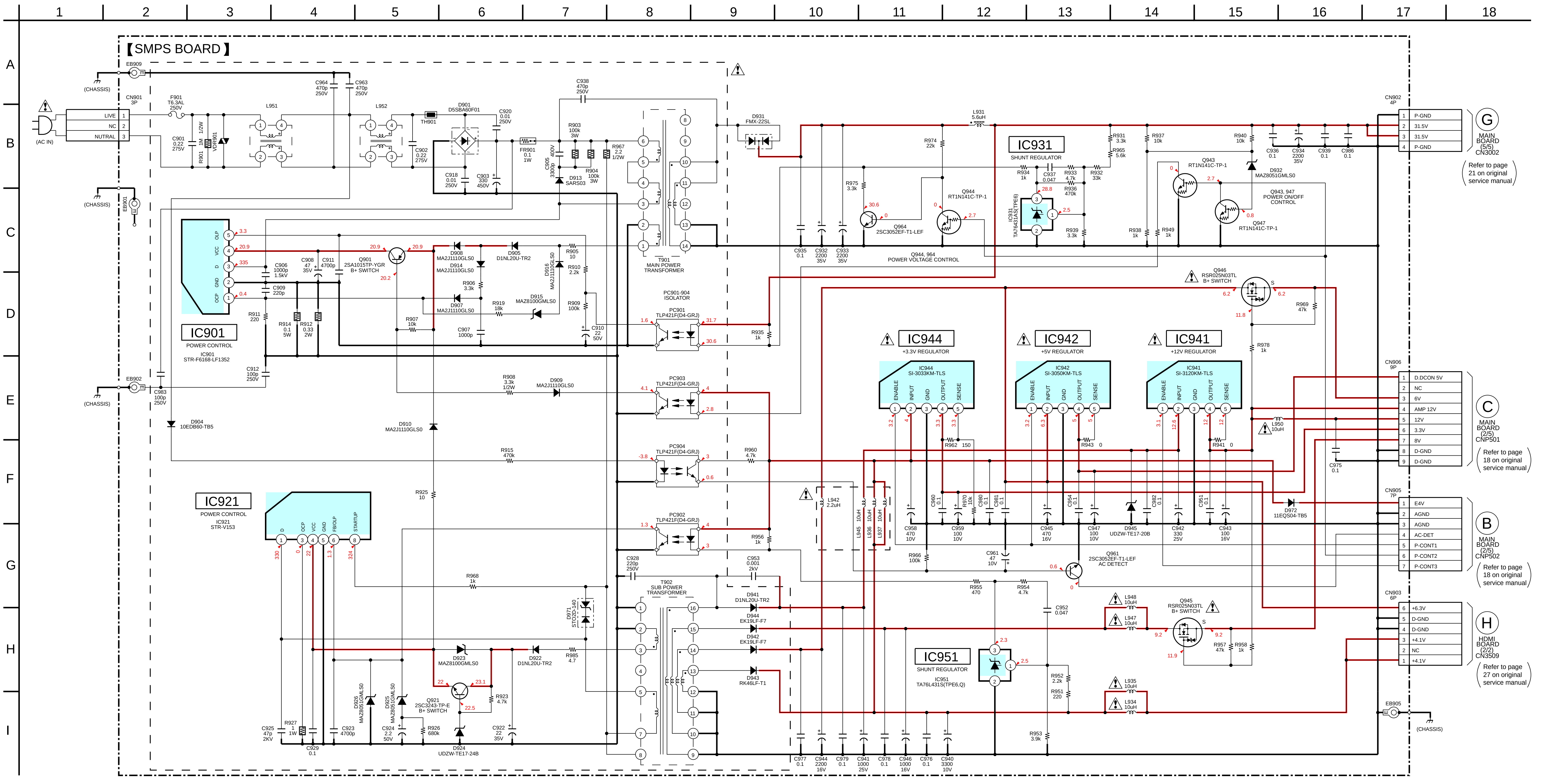
2-1. PRINTED WIRING BOARD - SMPS Board - • : Uses unleaded solder.



• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D901	C-4	D909	E-7	D916	C-6	D926	E-7	D943	D-8			IC942	E-11	PC902	E-7	Q921	E-6	Q947	E-9
D904	E-4	D910	D-5	D922	E-6	D931	B-9	D944	E-8	IC901	C-5	IC944	E-11	PC903	E-7	Q943	F-9	Q961	E-10
D905	D-4	D913	D-5	D923	E-6	D932	F-9	D945	D-10	IC921	E-6	IC951	E-9	PC904	F-7	Q944	B-12	Q964	A-11
D907	C-5	D914	C-5	D924	E-6	D941	E-8	D971	D-6	IC931	A-11					Q945	E-11		
D908	D-4	D915	C-6	D925	E-6	D942	E-8	D972	F-11	IC941	E-10	PC901	A-7	Q901	D-6	Q946	D-11		

2-2. SCHEMATIC DIAGRAM - SMPS Board -



SMPS

3. ELECTRICAL PARTS LIST

Note:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: μF
- COILS
  uH: μH
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA. . : μA. . , uPA. . , μPA. . ,
  uPB. . : μPB. . , uPC. . , μPC. . ,
  uPD. . : μPD. .

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description			Remark
	A-1444-009-A	SMPS BOARD, COMPLETE			
		**********************			
	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3			
		< CAPACITOR >			
⚠ C901	1-165-529-11	MYLAR	0.22uF	10	275V
⚠ C902	1-165-529-11	MYLAR	0.22uF	10	275V
⚠ C903	1-112-333-11	ELECT (BLOCK)	330uF	20%	450V
⚠ C905	1-112-335-91	FILM	0.0033uF	5%	400V
⚠ C906	1-117-815-11	FILM	1000PF	3%	1.5KV
⚠ C907	1-162-964-91	CERAMIC CHIP	0.001uF	10%	50V
⚠ C908	1-104-962-91	ELECT	47uF	20%	35V
⚠ C909	1-162-960-91	CERAMIC CHIP	220PF	10%	50V
⚠ C910	1-107-907-91	ELECT	22uF	20%	50V
⚠ C911	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
⚠ C912	1-117-693-51	CERAMIC	100PF	10%	250V
⚠ C918	1-113-925-51	CERAMIC	0.01uF	20%	250V
⚠ C920	1-113-925-51	CERAMIC	0.01uF	20%	250V
⚠ C922	1-104-667-91	ELECT	22uF	20%	35V
⚠ C923	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
⚠ C924	1-124-257-91	ELECT	2.2uF	20%	50V
⚠ C925	1-107-974-81	CERAMIC	47PF	5%	2KV
⚠ C928	1-117-695-51	CERAMIC	220PF	10%	250V
⚠ C929	1-115-339-91	CERAMIC CHIP	0.1uF	10%	50V
C932	1-100-924-21	ELECT	2200uF	20%	35V
C933	1-100-924-21	ELECT	2200uF	20%	35V
C934	1-100-924-21	ELECT	2200uF	20%	35V
C935	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C936	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C937	1-100-756-91	CERAMIC CHIP	0.047uF		50V
⚠ C938	1-117-697-51	CERAMIC	470PF	10%	250V
C939	1-136-165-00	FILM	0.1uF	5%	50V
C940	1-128-947-31	ELECT	3300uF	20%	10V
C941	1-128-954-11	ELECT	1000uF	20%	25V
C942	1-126-940-11	ELECT	330uF	20%	25V
C943	1-126-933-11	ELECT	100uF	20%	16V
C944	1-128-951-21	ELECT	2200uF	20%	16V
C945	1-126-935-11	ELECT	470uF	20%	16V
C946	1-128-950-21	ELECT	1000uF	20%	16V
C947	1-104-658-91	ELECT	100uF	20%	10V
C951	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C952	1-100-756-91	CERAMIC CHIP	0.047uF		50V
C953	1-117-214-11	CERAMIC	0.001uF	10%	2KV
C954	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C958	1-126-925-91	ELECT	470uF	20%	10V
C959	1-104-658-91	ELECT	100uF	20%	10V
C960	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C961	1-126-947-11	ELECT	47uF	20%	35V
⚠ C963	1-117-697-51	CERAMIC	470PF	10%	250V
⚠ C964	1-117-697-51	CERAMIC	470PF	10%	250V
C975	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C976	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C977	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C978	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C979	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C980	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C981	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C982	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
⚠ C983	1-117-693-51	CERAMIC	100PF	10%	250V
C986	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CN902	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
* CN905	1-564-510-11	PLUG, CONNECTOR 7P			
CN906	1-691-770-11	PLUG (MICRO CONNECTOR) 8P			
		< DIODE >			
⚠ D901	8-719-082-57	DIODE D5SBA60F01			
⚠ D904	6-500-593-21	DIODE 10EDB60-TB5			
⚠ D905	8-719-063-74	DIODE D1NL20U-TR2			
⚠ D907	6-501-817-01	DIODE MA2J1110GLS0			
⚠ D908	6-501-817-01	DIODE MA2J1110GLS0			
⚠ D909	6-501-817-01	DIODE MA2J1110GLS0			
⚠ D910	6-501-817-01	DIODE MA2J1110GLS0			
⚠ D913	6-500-241-01	DIODE SARS03			
⚠ D914	6-501-817-01	DIODE MA2J1110GLS0			
⚠ D915	6-501-760-01	DIODE MAZ8100GMLS0			
⚠ D916	6-501-817-01	DIODE MA2J1110GLS0			
⚠ D922	8-719-063-74	DIODE D1NL20U-TR2			
⚠ D923	6-501-760-01	DIODE MAZ8100GMLS0			
⚠ D924	6-501-183-01	DIODE UDZW-TE17-24B			
⚠ D925	6-501-730-01	DIODE MAZ8051GMLS0			
⚠ D926	6-501-730-01	DIODE MAZ8051GMLS0			
D931	6-501-849-01	DIODE FMX-22SL			
D932	6-501-730-01	DIODE MAZ8051GMLS0			
⚠ D941	8-719-063-74	DIODE D1NL20U-TR2			
⚠ D942	6-500-288-11	DIODE EK19LF-F7			
⚠ D943	6-502-489-01	DIODE RK46LF-T1			
⚠ D944	6-500-288-11	DIODE EK19LF-F7			
D945	6-501-181-01	DIODE UDZW-TE17-20B			
⚠ D971	6-501-424-01	DIODE STO2D-140			

SMPS

Ref. No.	Part No.	Description				Remark
D972	8-719-085-36	DIODE 11EQS04-TB5				
		< GROUND TERMINAL >				
EB901	1-537-738-21	TERMINAL, GROUND				
EB902	1-537-738-21	TERMINAL, GROUND				
EB905	1-537-738-21	TERMINAL, GROUND				
EB909	1-537-738-21	TERMINAL, GROUND				
		< FUSE HOLDER >				
FH901	1-533-217-31	FUSE HOLDER				
FH902	1-533-217-31	FUSE HOLDER				
		< FUSIBLE RESISTOR >				
⚠ FR901	1-220-886-61	FUSIBLE	0.1	10%	1W	F
		< IC >				
⚠ IC901	6-707-742-01	IC STR-F6168-LF1352				
⚠ IC921	6-707-740-01	IC STR-V153				
IC931	8-759-648-34	IC TA76431AS (TPE6)				
⚠ IC941	6-712-615-01	IC SI-3120KM-TLS				
⚠ IC942	6-712-614-01	IC SI-3050KM-TLS				
⚠ IC944	6-712-616-01	IC SI-3033KM-TLS				
IC951	6-707-743-01	IC TA76L431S (TPE6, Q)				
		< COIL >				
L931	1-457-438-11	COIL, CHOKE	5.6uH			
⚠ L934	1-414-398-41	INDUCTOR	10uH			
⚠ L935	1-414-398-41	INDUCTOR	10uH			
⚠ L936	1-414-398-41	INDUCTOR	10uH			
⚠ L937	1-414-398-41	INDUCTOR	10uH			
⚠ L942	1-481-060-11	INDUCTOR	2.2uH			
⚠ L945	1-414-398-41	INDUCTOR	10uH			
⚠ L947	1-414-398-41	INDUCTOR	10uH			
⚠ L948	1-414-398-41	INDUCTOR	10uH			
⚠ L950	1-414-398-41	INDUCTOR	10uH			
⚠ L951	1-457-054-21	COIL, LINE FILTER				
⚠ L952	1-457-054-21	COIL, LINE FILTER				
		< PHOTO COUPLER >				
⚠ PC901	6-600-438-01	PHOTO COUPLER	TLP421F (D4-GRJ)			
⚠ PC902	6-600-438-01	PHOTO COUPLER	TLP421F (D4-GRJ)			
⚠ PC903	6-600-438-01	PHOTO COUPLER	TLP421F (D4-GRJ)			
⚠ PC904	6-600-438-01	PHOTO COUPLER	TLP421F (D4-GRJ)			
		< TRANSISTOR >				
⚠ Q901	8-729-231-15	TRANSISTOR	2SA1015TP-YGR			
⚠ Q921	6-550-702-01	TRANSISTOR	2SC3243-TP-E			
Q943	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
Q944	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
⚠ Q945	6-550-718-01	FET	RSR025N03TL			
⚠ Q946	6-550-718-01	FET	RSR025N03TL			
Q947	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
Q961	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q964	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
		< RESISTOR >				
⚠ R901	1-219-759-51	METAL	1M	5%	1/2W	F
⚠ R903	1-215-929-51	METAL OXIDE	100K	5%	3W	F
⚠ R904	1-215-929-51	METAL OXIDE	100K	5%	3W	F
⚠ R905	1-216-797-91	METAL CHIP	10	5%	1/10W	
⚠ R906	1-216-827-91	METAL CHIP	3.3K	5%	1/10W	
⚠ R907	1-216-833-91	METAL CHIP	10K	5%	1/10W	
⚠ R908	1-260-105-51	CARBON	3.3K	5%	1/2W	
⚠ R909	1-216-845-91	METAL CHIP	100K	5%	1/10W	
⚠ R910	1-216-825-91	METAL CHIP	2.2K	5%	1/10W	
⚠ R911	1-216-813-91	METAL CHIP	220	5%	1/10W	
⚠ R912	1-216-363-61	METAL OXIDE	0.33	5%	2W	F
⚠ R914	1-214-789-11	METAL	0.1	10%	5W	F
⚠ R915	1-216-262-91	RES-CHIP	470K	5%	1/8W	
⚠ R919	1-216-836-91	METAL CHIP	18K	5%	1/10W	
⚠ R923	1-216-829-91	METAL CHIP	4.7K	5%	1/10W	
⚠ R925	1-216-797-91	METAL CHIP	10	5%	1/10W	
⚠ R926	1-216-855-91	METAL CHIP	680K	5%	1/10W	
⚠ R927	1-216-349-51	METAL OXIDE	1	5%	1W	F
R931	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	
R932	1-218-883-11	METAL CHIP	33K	0.5%	1/10W	
R933	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R934	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R935	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R936	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R937	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R938	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R939	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	
R940	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R941	1-216-864-11	SHORT CHIP	0			
R943	1-216-864-11	SHORT CHIP	0			
R949	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R951	1-218-831-11	METAL CHIP	220	0.5%	1/10W	
R952	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W	
R953	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W	
R954	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R955	1-216-817-11	METAL CHIP	470	5%	1/10W	
R956	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R957	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R958	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R960	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R962	1-216-811-11	METAL CHIP	150	5%	1/10W	
R965	1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W	
R966	1-216-845-11	METAL CHIP	100K	5%	1/10W	
⚠ R967	1-246-106-11	METAL OXIDE	2.2	5%	1/2W	F
⚠ R968	1-216-821-91	METAL CHIP	1K	5%	1/10W	
R969	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R970	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R974	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R975	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	
R978	1-216-821-11	METAL CHIP	1K	5%	1/10W	
⚠ R985	1-216-793-91	METAL CHIP	4.7	5%	1/10W	
		< TRANSFORMER >				
⚠ T901	1-443-874-11	TRANSFORMER, CONVERTER				
⚠ T902	1-443-650-11	TRANSFORMER, CONVERTER				
		< THERMISTOR >				
⚠ TH901	1-805-842-21	THERMISTOR, NTC 6.0				
		< VARISTOR >				
⚠ VDR901	1-805-482-11	VARISTOR				

MEMO

REVISION HISTORY

Checking the version allows you to jump to the revised page.
Also, clicking the version at the top of the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2008.03	New
1.1	2008.05	Change of DCAC, DISPLAY, IO, IR and SMPS boards (Suffix-12) (SMR-08053)
1.2	2008.07	Change of SMPS board (Suffix-13) (SUPPLEMENT-1) (SMR-08086)